

## ***Research Grants In Effect During 2016***

Institution: University of Alabama at Birmingham

Title: Third International Meeting on Genetic Syndromes of the Ras/MAPK Pathway: Towards a Therapeutic Approach

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Institution: The University of Arizona

Title: Toxoplasma-Cre: Defining in vivo the Molecular Mechanisms that Drive Toxoplasma Neuropathogenesis

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Institution: University of Arizona

Title: Weinstein Cardiovascular Development Conference

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Institution: University of Arkansas

Title: Environmentally Triggered Neurodevelopmental Disorders: Focus on Endocrine Disruption and Sex Differences in Autism, ADHD, and Schizophrenia

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Institution: RASopathies Network USA

Title: 4th International RASopathies Symposium

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Institution: UC Berkeley

Title: Probing the Role of the Unfolded Protein Response in Meiotic Protein Homeostasis

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Institution: University of California, Berkeley

Title: Effect of Modern Environmental Toxins on Human Reproductive Health and Embryo Development

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Institution: University of California, Berkeley

Title: Fluorescent Probes for Monitoring Membrane Voltage Dynamics during Cell Cycle and Mitosis

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Institution: University of California, Berkeley

Title: Regulation of Meiotic Chromosome Segregation During Gametogenesis

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: University of California at Berkeley

Title: High Dynamic Range Biosensors for Imaging Metabolism in Living Cells

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Institution: University of California at Davis

Title: Meiosis Gordon Research Conference and associated Gordon Research Seminar

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Institution: University of California, Davis

Title: 4th Congenital Cytomegalovirus Conference - 14th Workshop on Cytomegalovirus

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Institution: University of California, Davis

Title: 2016 Visual Systems Development Gordon Research Seminar and Conference

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Institution: University of California, Davis

Title: FASEB Science Research Conferene on Genetic Recombination and Genome Rearrangements

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Institution: University of California, Irvine

Title: Telomere Nucleoprotein Complex and Premature Aging Disease

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Institution: University of California, Irvine

Title: Gene Expression Signatures to Assess Treatment Strategies for Developmental Disorders Using a Conditional/Invertible Mouse Model

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Institution: Ludwig Institute for Cancer Research & University of California, San Diego

Title: Mechanistic Studies of the Chromosome Axis, a Conserved Structure Central to Recombination and Chromosome Segregation in Meiosis

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Institution: University of California, San Diego

Title: Ex vivo Engineering of Placental Structure and Function

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## ***Research Grants In Effect During 2016***

Institution: The Scripps Research Institute

Title: 2012 Neural Development-Gordon Research Conference

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Institution: University of California at San Diego

Title: Integrating Single-Cell Technologies with Systems Biology Approaches for Dissection of Cell Fate Decisions in Pre-Implantation Embryos

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Institution: University of California, San Diego

Title: ISRHML 2016 Conference

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Institution: University of California, San Diego

Title: FASEB Conferene on Origins and Benefits of Biologically Active Components in Human Milk

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Institution: University of California, San Diego

Title: Organizing Organ Fields: Regulation of Kidney Lineage Specification by Hand2

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Institution: University of California, San Diego

Title: Genetic Regulation of Cardiac Morphogenesis in Zebrafish: Mechanisms that Create an Endocardial Lining for the Embryonic Heart Tube

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Institution: University of California, San Diego

Title: Testing the Role of Apical-basal Polarity Signaling in Synapse Formation

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Institution: University of California Los Angeles

Title: 37th Annual David W. Smith Workshop on Malformations and Morphogenesis

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Institution: University of Southern California

Title: Distinguishing Between Intracellular and Extracellular FGF Signaling in Osteoprogenitor Cells during Craniofacial Development

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## ***Research Grants In Effect During 2016***

Institution: UCLA Mech. And Aerospace Engr.

Title: Gordon Research Conference on Personalized Medicine

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Institution: University of California, Los Angeles

Title: PREBIC SGI and PREBIC GENEVA 2011

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Institution: University of California, Los Angeles

Title: The International Skeletal Dysplasia Registry

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Institution: University of California, Los Angeles

Title: Genetic Studies of Overgrowth Syndromes

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Institution: University of California, Los Angeles

Title: Molecular Mechanisms of Hypaxial Motor Neuron Fate Selection and Respiratory Motor Circuit Assembly

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Institution: University of California, Los Angeles

Title: The Cytoskeleton in Body Axis Establishment

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Institution: University of California, Los Angeles

Title: The Cytoskeleton in Body Axis Establishment

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Institution: University of Southern California

Title: Role of the Alagille Syndrome Gene Jagged1 in Craniofacial Development

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Institution: University of Southern California

Title: Defining the FGFR2 Disorder Bent Bone Dysplasia Syndrome as a Ribosomopathy

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Institution: University of Southern California

Title: 2012 Craniofacial Morphogenesis and Tissue Regeneration Gordon Research Conference

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## ***Research Grants In Effect During 2016***

Institution: Stanford University

Title: VEGF Regulation of Placental sFlt-1 Production and Its Relevance to the Etiology of Preeclampsia

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Institution: Stanford University School of Medicine

Title: Multilevel Genomics Analyses of Models of Neuronal and Cardiovascular Symptoms in 22q11-Deletion-Syndrome Using Induced Pluripotent Stem Cells

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Institution: University of California - San Francisco

Title: TGF-beta Superfamily-Signaling in development and Disease

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Institution: California Institute of Technology

Title: How Cells Interpret FGF Receptor Activation

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Institution: University of California, Riverside

Title: Structural Insights Into the Origin Recognition Complex and Meier-gorlin Syndrome

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Institution: University of California, Riverside

Title: Structural Insights into the Origin Recognition Complex and Meier-Gorlin Syndrome

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Institution: University of California, Davis

Title: In Utero Treatment of Spina Bifida via Autologous Fetal Stem Cell Mediated Neuroprotection

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Institution: University of California San Francisco

Title: Innate Immunity in Skeletal Cell Fate Using Human iPS Cells

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Institution: University of California San Francisco

Title: Modeling Congenital Skeletal Disease Using iPS Cells

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: University of California, San Francisco

Title: Molecular Control of Mammalian Organ Regeneration

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Institution: University of California, San Francisco

Title: Normalizing Presynaptic Dysfunction Resulting From Decreased Neuroligin Expression

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Institution: University of California, San Francisco

Title: Estrogen Modulation of Placental Angiogenesis: Implications for Preeclampsia

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Institution: University of California - San Francisco

Title: Gordon Research Conference on Craniofacial Morphogenesis and Tissue Regeneration

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Institution: University of California, San Francisco

Title: Regulation of Neural Crest Gene Expression by the Endothelin-MEF2C Pathway

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Institution: University of California, San Francisco

Title: Reproductive Scientist Development Program

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Institution: University of California, San Francisco

Title: Reproductive Scientist Development Program, RSDP Scholars' Annual Research Conference/Retreat

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Institution: University of California, San Francisco

Title: Reproductive Scientist Development Program

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Institution: University of California, San Francisco

Title: The Role of Maternal T Cells in Preterm Labor

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Institution: University of California, San Francisco

Title: In Utero Transplantation and Maternal-Fetal Tolerance

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: University of California, San Francisco

Title: Roles of TMEM16A-dependent Airway Smooth Muscle Contraction During Lung Development

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Institution: Stanford University

Title: 21st ISPD International Conference on Prenatal Diagnosis and Therapy

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Institution: Stanford University

Title: Pathogenesis of Congenital Valve Disease

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Institution: Stanford University

Title: Mechanisms Underlying Microtubule Organizing Center Reassignment During Cell Differentiation

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Institution: Stanford University

Title: 9th Molecular Biology of Hearing and Deafness Conference

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Institution: Stanford University

Title: Characterizing BPAG1n4's Function

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Institution: Stanford University

Title: Development of an Injectable Bioactive Scaffold for Repairing Congenital Bony Defects

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Institution: Stanford University School of Medicine

Title: Investigating the Role of p53 in CHARGE Syndrome

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Institution: Stanford University School of Medicine

Title: Functional Dissection of Signaling Receptor Removal from the Primary Cilium

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Institution: Stanford University School of Medicine

Title: The Pathophysiology of Cilia-related Skeletal Dysplasias

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## ***Research Grants In Effect During 2016***

Institution: Stanford University School of Medicine

Title: The March of Dimes Prematurity Research Center at Stanford University School of Medicine

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Institution: Stanford University School of Medicine

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Institution: Stanford University School of Medicine

Title: The March of Dimes Prematurity Research Center at Stanford University School of Medicine

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Institution: Stanford University School of Medicine

Title: March of Dimes Prematurity Research Center at Stanford University School of Medicine (the Center)

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Institution: Stanford University School of Medicine

Title: March of Dimes Prematurity Research Center at Stanford University School of Medicine (the Center)

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Institution: Stanford University School of Medicine

Title: The March of Dimes Prematurity Research Center at Stanford University School of Medicine

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Institution: Stanford University School of Medicine

Title: Nature vs Nurture: Convergence of Genetic and Environmental Factors in Gene Regulation During Human Craniofacial Development

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Institution: University of California San Francisco

Title: Mitochondrial Medicine 2013

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Institution: Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center

Title: Mechanisms of Programmed Neurogenic Hyperphagia and Offspring Obesity

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## ***Research Grants In Effect During 2016***

Institution: HHMI and University of Colorado

Title: 2014 FASEB Science Research Conference:" Machines on Genes"

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Institution: University of Colorado

Title: FASEB SRC-Folic Acid, Vitamin B12 and One Carbon Metabolism

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Institution: University of Colorado Denver

Title: Uterine Smooth Muscle Regulation by Small Molecule Gasotransmitters

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Institution: University of Colorado, Denver

Title: Anesthesia-induced Risks of Cognitive Impairment During Early Development - Mechanism and Prevention

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Institution: University of Colorado, Denver

Title: 2016 Perinatal Biology Symposium

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Institution: University of Colorado at Boulder

Title: Mechanisms of Paternal Mitochondria Elimination in Fertilized Embryos of C. Elegans

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Institution: University of Colorado

Title: Cell Biology of Metals: Mechanisms from Microbes to Humans

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Institution: University of Colorado Boulder

Title: Nucleic Acids 2013 Gordon Research Conference

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Institution: University of Colorado Boulder

Title: 2016 Gordon Research Conference on Chromatin Structure and Function

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Institution: National Jewish Health

Title: Role of Integrin Linked Kinase in Regulating Epithelial Cell Lineage Commitment During Lung Development

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## ***Research Grants In Effect During 2016***

Institution: Colorado State University

Title: RNA Stability 2015 RNA Stability with an Altitude: Biological and Physiological implications

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Institution: Keystone Symposia

Title: To Partically Fund Four Keystone Symposia

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Institution: Keystone Symposia on Molecular and Cellular Biology

Title: Endoderm Lineages in Development and Disease

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Institution: Keystone Symposia on Molecular and Cellular Biology

Title: Four Keystone Symposia

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Institution: Keystone Symposia on Molecular and Cellular Biology

Title: Funding for Four Keystone Symposia

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Institution: Keystone Symposia on Molecular and Cellular Biology

Title: Four Keystone Symposia

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Institution: Keystone Symposia on Molecular and Cellular Biology

Title: Funding for Four Keystone Symposia

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Institution: Yale School of Medicine

Title: 2016 SRI Annual Scientific Meeting - Prioritizing Reproductive Research in Times of Limited Resources

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Institution: Yale University School of Medicine

Title: Understanding, Predicting, and Preventing Adverse Pregnancy Outcomes in Women with Antiphospholipid Syndrome

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## ***Research Grants In Effect During 2016***

Institution: Yale University School of Medicine

Title: Specialized Arteriole Smooth Muscle Cells: Primed to Muscularize in Pulmonary Hypertension?

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Institution: Yale University School of Medicine

Title: Excessive and Ectopic Vascular Smooth Muscle Cells in Pulmonary Hypertension: From Where Do They Come and How Do They Get Here?

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Institution: Yale University School of Medicine

Title: Functional Role of Dendritic GABAergic Signaling in the Developing Neocortex

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Institution: Yale University School of Medicine

Title: A Novel Kinase Switch of GABA Activity in Neurodevelopment and Disease

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Institution: Yale University

Title: Ciliary Defects as Modifiers of Respiratory Disease Severity in Premature Infants

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Institution: Yale University

Title: Molecular Mechanisms of Netrin-mediated Presynaptic Specificity in the Developing Nervous System

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Institution: Yale University

Title: The Role of MicroRNAs During Vertebrate Development

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Institution: Yale University

Title: Control of Craniofacial Development by BCL-2 Multi-Domain Pro-Apoptotic Family Members

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Institution: University of Connecticut

Title: Dynamic Kinetochores Workshop

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## ***Research Grants In Effect During 2016***

Institution: University of Connecticut

Title: Sketetal Muscle Satellite and Stem Cells

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Institution: University of Connecticut

Title: Gordon Research Conference on Centromere Biology: The Genomics and Epigenomics of Centromere Function and Dysfunction

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Institution: University of Delaware

Title: Lumenal Fluid Movements Regulate Airway Branching Morphogenesis

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Institution: Nemours/Alfred I. duPont Hospital for Children

Title: 36th Annual David W. Smith Workshop on Malformations and Morphogenesis

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Institution: George Washington University

Title: 3D Bioprinting Smart Nanostructured Soft Tissue Graft for Spina Bifida Repair and Neurological Function Recovery

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Institution: Institute of Medicine of the National Academy of Sciences

Title: Forum on Drug Discovery, Development and Translation

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Institution: Sabin Vaccine Institute

Title: Progress Toward Rubella elimination and CRS Prevention in Europe

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Institution: The George Washington University

Title: Identification of Human Mutations Severely Affecting Brain, Eye and Muscle Development

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Institution: University of Miami

Title: Function of GSK-3beta Signaling in Bronchopulmonary Dysplasia

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## ***Research Grants In Effect During 2016***

Institution: University of Miami

Title: Why We Can't Wait: Conference to Eliminate Health Disparities in Genomic Medicine

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Institution: University of Miami

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Institution: University of Miami

Title: Why We Can't Wait: Conference to Eliminate Health Disparities in Genomic Medicine

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Institution: Florida State University

Title: FASEB Conference on Melatonin Biology: Actions and Therapeutics

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Institution: University of Georgia

Title: Chaperoning the Malaria Parasite through the Human Host

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Institution: University of Georgia

Title: Function and Regulation of the Conserved CRF5(LSH) Chromatin Remodeling Enzyme

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Institution: University of Georgia

Title: 54th Annual Meeting of the Teratology Society: Pushing the Boundaries of Birth Defects Research

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Institution: Emory University

Title: Mechanism of Phosphatidylinositol-4,5-bisphosphate 5-phosphatase Action on Signaling During Mammalian Development

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Institution: Emory University

Title: Function of BDNF-TrkB Signaling in Fragile X Syndrome

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Institution: Emory University

Title: MicroRNA Pathway in Fragile X Syndrome

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## ***Research Grants In Effect During 2016***

Institution: Emory University

Title: International Congenital Cataract Symposium

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Institution: Emory University School of Medicine

Title: Skeletal Muscle Satellite & Stem Cells

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Institution: Georgia State University

Title: A Novel Animal Model for Studying Individual Variability in Susceptibility to Neural Damage and the Ability to Functionally Recover from It

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Institution: Emory University School of Medicine

Title: CNV Formation and the Pif1 Helicase

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Institution: University of Hawaii

Title: Identifying New Causes of Congenital Urinary Tract Obstructions

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Institution: Loyola University Chicago

Title: Longitudinal Study of Psychosocial Adjustment in Adolescents and Young Adults with Spina Bifida: Family, Peer, and Neuropsychological Factors

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Institution: The University of Chicago

Title: The Function of Individual Tubulin Isoforms During Neuronal Migration, Axon Development, and Related Birth Defects

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Institution: NMH/Prentice Women's Hospital

Title: 2014 SRI Annual Scientific Meeting - Immunology and Women's Health

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Institution: Northwestern University

Title: FASEB Conference on Retinal Neurobiology and Visual Processing

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## ***Research Grants In Effect During 2016***

Institution: Northwestern University Feinberg School of Medicine

Title: The Contribution of Father's Lifelong Socioeconomic Position to Preterm Birth among African-American, Mexican-American, and Non-Latina White Women

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Institution: University of Chicago

Title: The March of Dimes Prematurity Research Center UChicago-Northwestern-Duke

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Institution: University of Chicago

Title: The March of Dimes Prematurity Research Center UChicago-Northwestern-Duke

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Institution: University of Chicago

Title: 2012 Weinstein Cardiovascular Development Conference

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Institution: University of Illinois Chicago

Title: Function and Regulation of Ets-related 71 (ER71) During Cardiovascular Development

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Institution: Northshore University Health System

Title: Autophagy in the Prevention and Genesis of Labor

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Institution: Northwestern University

Title: Identification of Hookworm Anthelmintic Resistance Genes to Ameliorate Maternal and Infant Anemia

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Institution: Northwestern University

Title: Gordon Research Conference on the Cerebellum

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Institution: Northwestern University

Title: Mechanisms of Chromosome Congression and Segregation in Mammalian Oocytes

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Institution: Northwestern University

Title: Mechanisms of Chromosome Congression and Segregation During Oocyte Meiosis

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## ***Research Grants In Effect During 2016***

Institution: PGDIS

Title: 14th International Conference on Preimplantation Genetic Diagnosis

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Institution: University of Illinois

Title: Society for the Study of Reproduction 2011 Annual Meeting

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Institution: University of Illinois at Urbana-Champaign

Title: Contribution of Phosphate Homeostasis to Staphylococcal Pathogenesis

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Institution: University of Illinois at Urbana-Champaign

Title: Novel Transcription Factors Controlling Gene Expression in the Placenta

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Institution: University of Illinois Urbana-Champaign

Title: Biochemical Reconstitution and Functional Analysis of a Morphogenetic Engine: The Adherens Junction-Actin Interface

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Institution: University of Illinois Urbana-Champaign

Title: Axon Targeting of KCNQ Channels in Neuronal Excitability and Neonatal Epilepsy

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Institution: University of Illinois at Urbana-Champaign

Title: Functional Role of Musclebindlike-1 in Alternative Splicing Regulation During Mammalian Liver Development

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Institution: Indiana University

Title: How Toxoplasma Gondii Leaves its Host: Turning on Motility to Egress

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Institution: Indiana University

Title: Understanding the Function of the Cortical Microtubules in the Proliferation of Toxoplasma gondii

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## ***Research Grants In Effect During 2016***

Institution: Indiana University

Title: Regulation of Pancreatic Beta Cell Development and Regeneration by Alpha Cells

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Institution: Indiana University School of Medicine

Title: Cytogenomics of Cardiovascular Malformations Consortium Registry

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Institution: Indiana University School of Medicine

Title: The Cytogenomics of Cardiovascular Malformations Consortium Registry

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Institution: University of Notre Dame

Title: Analysis of Pathways Directing Kidney Podocyte Development Using the Zebrafish

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Institution: Carver College of Medicine

Title: Frontiers in Reproduction (FIR) Training Course

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Institution: University of Iowa

Title: A Population, Genomic and Environmental Variable Approach to Prematurity

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Institution: University of Iowa

Title: Regulation of S1pr2/Ga13 Signaling in Cardiac Morphogenesis

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Institution: University of Iowa

Title: Using *C. elegans* to Uncover Mechanisms of Wnt/beta-catenin Signaling and Developmental Patterning in Nematodes and Mammals

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Institution: University of Iowa

Title: Genetic Studies of Maternal/Fetal Effects in Prematurity

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Institution: University of Iowa

Title: Developmental Mechanisms and Treatment of Blinding Early-Onset Retinal Degeneration

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: University of Iowa

Title: Molecular Pathways in HoxB4 Mediated Hematopoietic Stem Cell Development

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Institution: University of Iowa

Title: Molecular Mechanisms of Actin-Mediated Vascular Diseases

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Institution: University of Iowa

Title: Control of Dendrite Arborization and Synaptogenesis by Homophilic Gamma-Protocadherin Interactions

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Institution: University of Kansas Medical Center

Title: 49th Annual Meeting of the Society for the Study of Reproduction - Systems Biology of Reproduction

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Institution: University of Louisville

Title: FASEB Research Conference on Retinal Neurobiology & Visual Processing

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Institution: Tulane University

Title: XIXth World Congress of the International Society for the Study of Hypertension in Pregnancy

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Institution: The Jackson Laboratory

Title: The Role of the miRNA Biogenesis Factor TARBP2 in Lethal Congenital Birth Defects

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Institution: The Jackson Laboratory

Title: Human and Mammalian Genetics And Genomics: The 57th McKusick Short Course

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Institution: The Jackson Laboratory

Title: 56th Annual Short Course on Medical and Experimental Mammalian Genetics

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## ***Research Grants In Effect During 2016***

Institution: The Jackson Laboratory

Title: A Genetic Approach to Identifying Genes Regulating Gestation Time

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Institution: The Jackson Laboratory

Title: The 55th Course on Medial and Experimental mammalian Genetics

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Institution: The Jackson Laboratory

Title: The 52nd Short Course on Medical and Experimental Mammalian Genetics

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Institution: The Jackson Laboratory

Title: The 53rd Short Course on Medical and Experimental Mammalian Genetics

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Institution: The Jackson Laboratory

Title: The 53rd Short Course on Medical and Experimental Mammalian Genetics

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Institution: University of Maine

Title: Mechanisms of NAD<sup>+</sup>-mediated Amelioration of Dystrophy in Zebrafish

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Institution: Johns Hopkins Unviersity School of Medicine

Title: 36th Annual American Society for Reproductive Immunology

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Institution: Johns Hopkins University

Title: Role of Novel Artemisinin Derivatives in Inhibition of Cytomegalovirus Replication

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Institution: Johns Hopkins University

Title: Role of Lin28b in Auditory Hair Cell Development and Regeneration

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Institution: Johns Hopkins University

Title: Stochastic Gene Regulatory Mechanisms that Control Cell Fate Specification During Development

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## ***Research Grants In Effect During 2016***

Institution: Johns Hopkins University

Title: Investigation of a Novel Pathway, the Lin28/Let-7 Axis, for the Treatment and Prevention of Birth Defects Associated with Autism Spectrum Disorders

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Institution: Johns Hopkins University

Title: Testing a Therapeutic Approach for the Childhood Neurodegenerative Disease MLIV Using a Mouse Model

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Institution: Johns Hopkins University

Title: Determining the Mechanism of Ku Function in Telomerase and Birth Defects Caused by Genome Instability Instigated by Short Telomeres

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Institution: Johns Hopkins University School of Medicine

Title: Molecular Mechanisms of Transcriptional Bursting in Transcription Activation

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Institution: Johns Hopkins University School of Medicine

Title: Centrosome Dysfunction in Developmental Disorders: Towards a Molecular Understanding of Centrosome Biogenesis

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Institution: University of Maryland

Title: Second International Conference on Fetal Growth

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Institution: American College of Medical Genetics and Genomics

Title: 2016 ACMG Annual Clinical Genetics Meeting

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Institution: Foundation for the National Institutes of Health

Title: Genetics & Genomics Summit

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Institution: National Eye Institute

Title: Developmental Mechanisms and Treatment of Blinding Early-onset Retinal Degeneration

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## ***Research Grants In Effect During 2016***

Institution: NIH/NHLB1 Hematology Branch

Title: American Society of Gene & Cell Therapy 20th Annual Meeting

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Institution: Uniformed Services University of Health Sciences

Title: The Role of Faulty Genetic Recombination in Infertility, Aneuploidy and Birth Defects

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Institution: University of Massachusetts, Amherst

Title: Identification of Genes Controlling Epigenetic Dynamics During Preimplantation

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Institution: University of Massachusetts, Amherst

Title: EMBO Workshop - Dynamic Kinetochores

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Institution: University of Massachusetts, Amherst

Title: Detecting and Correcting Errors During Cell Division

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Institution: Boston Children's Hospital

Title: Defective RNA Metabolism in Childhood Developmental Syndromes

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Institution: Boston Children's Hospital

Title: Interplays Between ADAR1 and MDA5 in the Pathogenesis of Aicardi-Goutière Syndrome

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Institution: Boston Children's Hospital

Title: Weaving the Neuronal Network with Target-Derived FGFs in the Developing Brain

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Institution: Boston University

Title: Lung Epithelium in Health and Disease

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Institution: Boston University School of Medicine

Title: Use of Human Pluripotent Stem Cell-Derived Hepatic Cells in Pediatric Liver Transplantation

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## ***Research Grants In Effect During 2016***

Institution: Children's Hospital Boston

Title: Genotype-phenotype Correlation in Human RAG Deficiency and Correction of Mutations by Locus-specific TALENs

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Institution: Brigham and Women's Hospital

Title: FASEB Conference on Post-transcriptional Control of Gene Expression

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Institution: Brigham and Women's Hospital

Title: Mechanistic Analysis for Nephron Progenitor Cells During Mammalian Kidney Development

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Institution: Brigham and Women's Hospital

Title: ISPD 19th International Conference on Prenatal Diagnosis and Therapy

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Institution: Brigham and Women's Hospital

Title: Regulation of mTOR Signaling by ARPKD Protein

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Institution: Beth Israel Deaconess Medical Center

Title: Developing New Therapies to Prevent Iron Overload in Children with Inherited Anemia Disorders

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Institution: Children's Hospital Boston

Title: Dysregulation of the Telomerase RNA Component in Congenital Diseases

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Institution: Children's Hospital Boston

Title: Early Visual Signals and Neural Development

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Institution: Children's Hospital Boston

Title: Uncovering the Genetic Basis of Normal and Abnormal Human Growth

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## ***Research Grants In Effect During 2016***

Institution: Children's Hospital Boston

Title: Epigenetic Regulation of Nephron Number During Kidney Development

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Institution: Children's Hospital Boston

Title: 12th International Workshop on Developmental Nephrology: From Basic Science Towards Therapeutics

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Institution: Children's Hospital Boston

Title: The Role of GATA1 in Diamond-Blackfan (Congenital Hypoplastic) Anemia

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Institution: Children's Hospital Boston

Title: A Role for Local Translation in the Maintenance of the Podocyte Foot Process Architecture

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Institution: Children's Hospital Boston

Title: MicroRNAs and Congenital Heart Defects

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Institution: Boston Medical Center Corporation

Title: Discovering Novel Urinary Tract Birth Defect Genes from Genomic Imbalances

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Institution: Harvard Medical School

Title: Human Teratogens: Environmental Factors which Cause Birth Defects

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Institution: Harvard Medical School

Title: Human Teratogenes: Environmental Factors Which Causes Birth Defects 2015

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Institution: Harvard Medical School

Title: HUMAN TERATOGENS: Environmental Factors Which Cause Birth Defects

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Institution: Harvard Medical School

Title: Mitochondrial Medicine 2012-Capitol Hill

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## ***Research Grants In Effect During 2016***

Institution: Boston Children's Hospital

Title: Lung Epithelium in Health and Disease

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Institution: Boston Children's Hospital

Title: 2015 Weinsten Cardiovascular Development Conference

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Institution: Brigham and Women's Hospital

Title: Function of Matrin 3 in Congenital Heart Disease (CHD)

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Institution: Massachusetts Eye and Ear Infirmary

Title: Exome Sequencing to Identify Novel Genetic Factors for Congenital Glaucoma

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Institution: Massachusetts General Hospital

Title: Novel Function of MicroRNAs in Endoderm Induction

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Institution: Massachusetts General Hospital

Title: Optimizing Strategies for the Prevention of Mother-to-Child HIV Transmission in South Africa

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Institution: Massachusetts General Hospital

Title: Human Teratogens: Environmental Factors Which Cause Birth Defects

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Institution: Massachusetts General Hospital

Title: HUMAN TERATOGENS: Environmental Factors Which Cause Birth Defects

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Institution: Massachusetts General Hospital

Title: Transformative Genetic Testing for Early Detection of Birth Defects

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Institution: Massachusetts General Hospital

Title: Convergent Genomic Profiling of Chromosomal Abnormalities During Fetal Development

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## ***Research Grants In Effect During 2016***

Institution: Massachusetts General Hospital

Title: 2014 SGI Annual Scientific Meeting-Global Maternal and Newborn Health

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Institution: Northeastern University

Title: Intestinal Mucus Barrier: Role in Necrotizing Enterocolitis (NEC) and Prophylactic "Mucus-strengthening" Treatment to Prevent NEC

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Institution: Boston Children's Hospital and Harvard Medical School

Title: Factors that Specify Cell Contact Sites During Organ Assembly

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Institution: Boston University

Title: Specification and Patterning of the Developing Airway by Cell Polarity-regulated Cues

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Institution: Boston University

Title: Defining Cell Polarity Cues That Direct Hippo Signaling To Influence Ciliogenesis

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Institution: Harvard University

Title: Understanding Epithelial-mesenchymal Interactions during Skin Development

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Institution: Brigham and Women's Hospital

Title: Control of Revascularization During Vertebrate Limb Regeneration

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Institution: Center for Brain Science

Title: Gordon Research Conference on Modulation of Neural Circuits and Behavior

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Institution: Harvard University

Title: Transcriptional Regulation During Cell Growth, Differentiation and Development

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Institution: Massachusetts Institute of Technology

Title: Environmental Mutagenesis and Genomics Society 2015 Annual Meeting

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## ***Research Grants In Effect During 2016***

Institution: Harvard Medical School

Title: KIR2DS1+ NK Cells at the Maternal-Fetal Interface - Controlling Trophoblast Invasion and HCMV Infection

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Institution: Whitehead Institute for Biomedical Research

Title: Dissecting the Dynamics of T Cell Help in Germinal Centers by Intravital Microscopy

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Institution: Massachusetts General Hospital

Title: Genetic Regulation by FHL in Conotruncal Cardiac Development in Zebrafish

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Institution: Massachusetts General Hospital

Title: American Society of Gene & Cell Therapy 16th Annual Meeting

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Institution: Boston College

Title: Meiotic Stress-Induced Epigenetic Perturbations

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Institution: Boston College

Title: Role of TACC3 in Cranial Neural Crest Cell Migration: Implications for Craniofacial Disorders

---

Institution: Tufts University

Title: Regulation of Embryonic Tissue Differentiation by Matrix Elasticity and Mechanical Forces

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Institution: Brandeis University

Title: Non-canonical Wnt Signaling and Cytoskeleton Assembly in the Developing Heart

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Institution: Brandeis University

Title: Dynamic DNA Structures in Biology

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## ***Research Grants In Effect During 2016***

Institution: Brandeis University

Title: Structure and Function of the Central Pair Complex in Cilia and Flagella

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Institution: Brandeis University

Title: Mechanisms of Endosomal Membrane Traffic Related to Down's Syndrome

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Institution: University of Massachusetts Medical School

Title: Hdac3 Regulates Early Cardiac Development

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Institution: University of Massachusetts Medical School

Title: Biology of Cilia and Flagella

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Institution: University of Massachusetts Medical School

Title: Role of tRNA Fragments in Paternal Dietary Effects on Offspring Metabolism

---

Institution: University of Massachusetts Medical School

Title: 6th International Fission Yeast Meeting

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Institution: University of Massachusetts Medical School

Title: 2016 FASEB Yeast Chromosome Structure, Replication, and Segregation Meeting

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Institution: University of Massachusetts Medical School

Title: RNA Localization and Localized Translation

---

Institution: The Regents of The University of Michigan

Title: Heterochromatin Remodeling Mechanisms in Human Brain Development

---

Institution: The Regents of the University of Michigan

Title: Transgenerational Epigenetic Programming by Maternally-derived Histone Methylation

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## ***Research Grants In Effect During 2016***

Institution: The University of Michigan

Title: Analysis of Hyphal Growth in the Opportunistic Human Fungal Pathogen *C. albicans*

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Institution: University of Michigan

Title: The Danforth's Short Tail Mouse as a Model for Caudal Birth Defects in Humans

---

Institution: The University of Michigan

Title: 2012 Environmental Mutagen Society Annual Meeting

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Institution: The University of Michigan

Title: 2013 Environmental Mutagenesis and Genomics Society Annual Meeting

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Institution: The University of Michigan

Title: Sox9 Regulates Maintenance of Progenitor Cells and Branching Morphogenesis in the Embryonic Mouse Lung

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Institution: University of Michigan Medical School

Title: Environmental Mutagenesis and Genomics Society 2016 Annual Meeting

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Institution: University of Michigan

Title: Protection Against Deafness Caused by Hypothyroidism

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Institution: University of Michigan

Title: Protection Against Deafness Induced by Hypothyroidism

---

Institution: University of Michigan

Title: Identify Perinatal Ciliopathy-Causing Genes By Total Exome Capture and Massively Parallel Sequencing

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## ***Research Grants In Effect During 2016***

Institution: University of Michigan

Title: Preventing Pancreatic Beta Cell Failure Caused by Misfolded Proinsulin in Neonatal Diabetes

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Institution: University of Michigan

Title: SGI 60th Annual Scientific Meeting 2013

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Institution: University of Michigan Medical School

Title: Structural and Functional Roles of Mis16 and its Associated Proteins in CENP-A Recruitment at Regional Centromeres

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Institution: University of Michigan Medical School

Title: Local Synthesis and Regulation of Dendritic Proteins in Fragile X Syndrome and Autism Spectrum Disorders

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Institution: Wayne State University

Title: VEGF Regulation of Placental sFit-1 Production and Its Relevance to the Etiology of Preeclampsia

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Institution: Wayne State University

Title: Caspase-3 Maintains Uterine Quiescence in a PR and Nfkappa B Dependent Manner

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Institution: Wayne State University

Title: University of Toronto and Wayne State University Joint research day in Reproductive Health

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Institution: Wayne State University School of Medicine

Title: The Involvement of PPAR Gamma in Human Placental Development and Preeclampsia

---

Institution: Dow Chemical Company

Title: 52nd Annual Meeting of the Teratology Society: Vitamin D Deficiency in Pregnancy and Neonatal Development

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## ***Research Grants In Effect During 2016***

Institution: Teratology Society

Title: 53rd Annual Meeting of the Teratology Society: Advances in the Genomic Sciences  
Towards Public Understanding and Predicting Developmental Defects

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Institution: University of Minnesota

Title: The Role of Linear Growth and Fat-Free Mass Gain in Determining Cognitive Outcomes  
in Very Low Birth Weight (VLBW) Preterm Infants

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Institution: University of Minnesota

Title: Can Molecular Testing Improve Newborn Screening Performance and Outcomes for  
Congenital Adrenal Hyperplasia?

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Institution: University of Minnesota

Title: Gordon Research Conference on Muscle and Molecular Motors

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Institution: University of Minnesota Medical School

Title: FASEB Conference on Retinoids

---

Institution: University of Missouri

Title: Impact of Maternal Myostatin and Uterine Environment on Offspring Bone Health

---

Institution: Stowers Institute for Medical Research

Title: L-leucine as a Potential Therapy for Cornelia de Lange Syndrome

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Institution: Sain Louis University

Title: 35th David W. Smith Workshop on Malformations and Morphogenesis

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Institution: Sain Louis University

Title: 35th David W. Smith Workshop on Malformations and Morphogenesis

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: Washington University

Title: Ketone Body Metabolism-deficient Mice as a Model of Neonatal Metabolic Sudden Death

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Institution: Washington University School of Medicine

Title: The March of Dimes Prematurity Research Center at Washington University in St. Louis

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Institution: Washington University School of Medicine

Title: The March of Dimes Prematurity Research Center at Washington University in St. Louis

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Institution: Washington University School of Medicine

Title: The March of Dimes Prematurity Research Center at Washington University in St. Louis

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Institution: Washington University School of Medicine

Title: Reproductive Scientist Development Program

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Institution: Washington University School of Medicine

Title: Reproductive Scientist Development Program

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Institution: Washington University School of Medicine

Title: Reproductive Scientist Development Program

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Institution: Washington University School of Medicine

Title: Reproductive Scientist Development Program

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Institution: Washington University School of Medicine

Title: To continue to Provide funds for the Reproductive Scientist Development Program

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Institution: Washington University School of Medicine

Title: Host Pathogen Interactions at the Fetal-Maternal Interface: Novel Etiologies for Preterm Birth

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: Washington University School of Medicine

Title: Analysis of Dendritic Cells at the Maternal-Fetal Interface During Listeria Infection

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Institution: Saint Louis University

Title: Regulation of Renal Progenitor Cell Fate in Normal Kidney Development and Townes-Brocks Syndrome

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Institution: Washington University

Title: Effects of Early Antibiotic Therapy on the Antibiotic Resistome in the Intestinal Microbiota of Very-Low Birth Weight Infants in the Neonatal ICU

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Institution: Washington University

Title: Genes and Mechanisms of Renal Malformations in Children

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Institution: Washington University

Title: Primary Immunodeficiency and Fatal Pneumococcal Infection in Mice Deficient for the Actin-bundling Protein L-plastin

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Institution: Washington University

Title: Understanding Fosmidomycin Resistance in Malaria

---

Institution: Washington University School of Medicine

Title: Mechanisms Underlying Myometrial Smooth Muscle Relaxation During Pregnancy

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Institution: Washington University School of Medicine

Title: Leak Current and Preterm Birth

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Institution: Washington University School of Medicine

Title: Epigenetic Regulation of Embryonic Development

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## ***Research Grants In Effect During 2016***

Institution: Washington University School of Medicine

Title: Mechanisms of FGF Signaling in Cochlear Development

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Institution: Washington University School of Medicine

Title: The Intestinal Microbiome in Short Gut Syndrome

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Institution: Dartmouth College

Title: The Role of PAR-1 in the Establishment of Cytoplasmic Asymmetries in the C. Elegans Zygote

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Institution: The Giesel Medical School at Dartmouth

Title: 12th Congress of the International Society for the Immunology of Reproduction

---

Institution: Hackensack University Medical Center

Title: 2013 Perinatal Research Society Annual Meeting

---

Institution: Rutgers The State University of New Jersey

Title: Nutrient Sensing and Metabolic Signaling

---

Institution: Rutgers University

Title: Microtubule-mediated Synaptic Trafficking May Be Critically Involved in Normal Maternal Care & Maybe a Risk Factor in Developing Postpartum Depression

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Institution: Rutgers-State University of New Jersey

Title: Understanding the Genetic Architecture of Schizophrenia Susceptibility

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Institution: Princeton University

Title: 2012 FASEB Yeast Chromosome Structure, Replication, and Segregation

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Institution: Princeton University

Title: 11th Structural Birth Defects Meeting

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## ***Research Grants In Effect During 2016***

Institution: Princeton University

Title: Identification of Genes and Small Molecules to Prevent Maternal Age-Dependent Oocyte Decline and Aneuploidy

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Institution: University of New Mexico

Title: Transcriptional Mechanisms Controlling Cellular Fusion

---

Institution: Albert Einstein College of Medicine

Title: Cerebellum Gordon Research Conference

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Institution: Albert Einstein College of Medicine

Title: Role of the MAP Kinase and Related Pathways in Human Disorders of Gonadal Development

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Institution: The University of Buffalo

Title: Trace Elements in Biology and Medicine

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Institution: Cold Spring Harbor Laboratory

Title: CSHL Conference on Molecular Pathways in Organ Development & Disease

---

Institution: Cold Spring Harbor Laboratory

Title: Ninth Meeting on Germ Cells

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Institution: Cornell University

Title: The Mechanism of Intestinal Coiling

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Institution: Cornell University

Title: Right-sided Hyaluronan Synthesis Provides a Mechanism for Asymmetric Left-right Gut Rotation

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## ***Research Grants In Effect During 2016***

Institution: Cornell University

Title: SSR 2013 Annual Meeting - Reproductive Health : Nano to Global

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Institution: Winthrop University Hospital

Title: Carbon Monoxide as a Novel Therapy for Preterm Labor

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Institution: Winthrop University Hospital

Title: 34th Annual Meeting of the ASRI

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Institution: Winthrop University Hospital

Title: Role of Prostaglandin D2 in Preterm Birth

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Institution: Columbia University Medical Center

Title: Frizzled2-mediates Canonical Wnt Signaling to Promote Vasculature Formation in the Early Lung

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Institution: Memorial Sloan-Kettering Cancer Center

Title: Defining Pancreatic Progenitor Cell Populations Using Human Embryonic Stem Cells and Mouse Genetic Approaches

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Institution: Weill Cornell Medical College

Title: The Cis-regulatory Logic of Notochord Development

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Institution: Weill Cornell Medical College

Title: Role of EGFL7 in Implantation, Placental Development and Pre-eclampsia

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Institution: Columbia University

Title: Spns1 Mediates TfR1-Iron Delivery in Organogenesis

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Institution: Columbia University

Title: ISDP 16th International Conference on Prenatal Diagnosis and Therapy

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## ***Research Grants In Effect During 2016***

Institution: Columbia University

Title: Making and Breaking the Left-Right Axis: Laterality in Development and Disease

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Institution: Columbia University

Title: Role of Autophagy in Kidney Tubular Atrophy

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Institution: Columbia University

Title: Investigating Circadian-regulated Immune Responses in DFMR1, the Drosophila Model for Fragile X Syndrome

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Institution: Icahn School of Medicine at Mount Sinai

Title: Ethanol-induced Sphingosine-1-PO4 Accumulation Maintains Tissue Homeostasis by Preventing BAX-dependent Apoptosis

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Institution: Icahn School of Medicine at Mount Sinai

Title: Pro-Apoptotic BAK and BAX Require Sphingolipid Metabolism to Induce Apoptosis

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Institution: Icahn School of Medicine at Mount Sinai

Title: Use of Human Pluripotent Stem Cell-Derived Hepatic Cells in Pediatric Liver Transplantation

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Institution: New York University School of Medicine

Title: The Role of CP110 in Primary Cilia Assembly

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Institution: New York University School of Medicine

Title: Lipid Modification of Secreted Signaling Proteins

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Institution: Memorial Sloan Kettering Cancer Center

Title: FASEB Conference on Genetic Recombination and Genome Rearrangements

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## ***Research Grants In Effect During 2016***

Institution: Memorial Sloan-Kettering Cancer Center

Title: 2013 Developmental Biology Gordon Research Conference

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Institution: Memorial Sloan-Kettering Cancer Center

Title: Development, Function and Repair of the Muscle Cell

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Institution: Memorial Sloan-Kettering Cancer Center

Title: DNA Methylation in Terminal Organ Differentiation

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Institution: Memorial Sloan-Kettering Cancer Center

Title: American Society of Gene & Cell Therapy Annual Meeting

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Institution: Mount Sinai School of Medicine

Title: Toward Design of Therapies to Accelerate Epidermal Barrier Formation in Preterm Babies

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Institution: Mount Sinai School of Medicine

Title: International Meeting on Genetic Syndromes of the Ras/MAPK Pathway

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Institution: New York University

Title: Meiotic Segregation of Small Chromosomes

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Institution: New York University

Title: Meiotic Segregation of Small Chromosomes

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Institution: New York University

Title: The Molecular Basis of the SMA-resistant Motor Neurons

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Institution: New York University

Title: Nuclease Specialization and Regulation during Lagging-Strand Synthesis

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## ***Research Grants In Effect During 2016***

Institution: New York University School of Medicine

Title: Epigenetic Control of the Human Decidual Stromal Cell Inflammatory Response

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Institution: New York University School of Medicine

Title: Telomere Shortening, Chromosome Nondisjunction and Embryo Aneuploidy

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Institution: New York University School of Medicine

Title: Unfolded Protein Response in Drosophila Development

---

Institution: New York University School of Medicine

Title: Identification of Factors Contributing to the Dysregulation of Imprinted Gene Loci Implicated in Human Developmental Disorders

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Institution: NYU College of Denistry and Nursing

Title: Developmental Trajectories in Behavioral Phenotypes

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Institution: Icahn School of Medicine at Mount Sinai

Title: Genetic Defects Leading to Persistent IFN- $\alpha$ / $\beta$  Inflammation in Children

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Institution: Icahn School of Medicine at Mount Sinai

Title: Folate Pathway Neural Tube Defects

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Institution: Icahn School of Medicine at Mount Sinai

Title: Strategies for Preventing Vision Loss Due to Eye Birth Defects

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Institution: Icahn School of Medicine at Mount Sinai

Title: Epigenetic Profiling in Multiple Congenital Anomalies Syndromes

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Institution: Sloan-Kettering Institute

Title: 2011 Gordon Research Conference on Nucleic Acids

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## ***Research Grants In Effect During 2016***

Institution: The New York Academy of Sciences

Title: Fetal Programming and Environmental Exposures: Implications for Prenatal Care and Pre-Term Birth Conference

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Institution: New York University

Title: Chromosome Condensation and Segregation: Determining the Mechanisms that Target Condensins to Chromosomes

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Institution: The Rockefeller University

Title: Identification of Cellular Targets of Ammonia Toxicity

---

Institution: The Rockefeller University

Title: Genome-wide Dissection of Human Congenital Asplenia

---

Institution: Weill Cornell Medical College

Title: Annexin A2 in Retinopathy of Prematurity

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Institution: Weill Cornell Medical College

Title: The Annexin A2 System in Retinopathy of Prematurity

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Institution: Weill Cornell Medical College

Title: Spermatogonial Stem Cells as a Source of De Novo Human Disease Mutations

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Institution: National Marfan Foundation

Title: 9th International Symposium on Marfan Syndrome and Related Disorders

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Institution: University of Rochester Medical Center

Title: Identification of the Molecular Mechanisms Underlying the Neuroprotective Effects of Erythropoietin Treatment for Hypoxic Ischemic Encephalopathy

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## ***Research Grants In Effect During 2016***

Institution: University of Rochester

Title: FASEB SRC" Lipid Droplets: Dynamic Organelles in Metabolism and Beyond"

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Institution: University of Rochester Medical Center

Title: Frizzled2-mediates Canonical Wnt Signaling to Promote Vasculature Formation in the Early Lung

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Institution: University of Rochester Medical Center

Title: Regulation of Lung Morphogenesis and Vascular Development by Multiple Epithelial Wnts

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Institution: New York State Institute for Basic Research

Title: A Pilot Study of Copy Number Variation Among Chinese vPTB

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Institution: NYS Institute for Basic Research

Title: The Role of Excess Perinatal Dietary Folic Acid Intake on Aberrant DNA Methylation in Newborn Brains and its Relationship in Neuropsychiatric Disorders

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Institution: Stony Brook University

Title: FASEB Science Research Conference on Retinal Neurobiology & Visual Processing

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Institution: SUNY at Stony Brook

Title: 2012 Meiosis Gordon Conference and Research Seminar

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Institution: Research Foundation for SUNY / Upstate Medical University

Title: Molecular Mechanisms of the Generation of Intermediate Neural Progenitor Cells

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Institution: SUNY Upstate Medical University

Title: Probing the Cause of Genome Instability by the Identification of Novel Chemical-Genetic Interactions

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: Syracuse University

Title: Investigating Ghrelin O-acyltransferase as a Potential Target for Treating Prader-Willi Syndrome

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Institution: The Research Foundation for the State University of New York

Title: Magnesium Decreases Inflammatory Cytokine Production: A Novel, Important Innate Immunomodulatory Mechanism

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Institution: Rensselaer Polytechnic Institute

Title: Role of Nodal Signaling in Epithelial Chiral Morphogenesis

---

Institution: New York University School of Medicine

Title: The Link Between Particulate Air Pollution (PM) and Premature Birth: A Systematic Approach to a Complex Question Using a Pregnant Mouse Model

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Institution: New York University

Title: 42nd Annual Meeting of the Environmental Mutagen Society-Symposium 4: Etiology of Autism: Genetics, Epigenetics and the Environment

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Institution: Winifred Masterson Burke Medical Research Institute

Title: Electrical Stimulation to Strengthen Corticospinal Circuits and Prevent Cerebral Palsy

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Institution: University of North Carolina at Chapel Hill

Title: Selective Modulation of Noncoding RNA Function as a Novel Therapeutic Tool to Treat Childhood Disease

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Institution: University of North Carolina at Chapel Hill

Title: Mechanisms of Microtubule Regulators in Cilia Formation and Function

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Institution: University of North Carolina at Chapel Hill

Title: Molecular Mechanism of CLASP-dependent Kinetochore Attachment

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## ***Research Grants In Effect During 2016***

Institution: University of North Carolina at Chapel Hill

Title: American Society of Gene and Cell Therapy 15th Annual Meeting

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Institution: University of North Carolina at Chapel Hill

Title: The Role of RNA Conformational Dynamics in the Biogenesis of miR-1, an Essential MicroRNA in Cardiovascular Development and Disease

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Institution: Duke University Medical Center

Title: The Role of CaV1.2 Ca<sup>2+</sup> Channels in Birth Defects in Non-excitabile Tissues

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Institution: Duke University

Title: The RANKL/RANK/OPG Axis in Bronchopulmonary Dysplasia: A Novel Signaling Paradigm

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Institution: Duke University

Title: Learning to Anticipate Environmental Change at the Cellular Level

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Institution: Duke University

Title: The Seventh International Symposium on the Biology of Vertebrate Sex Determination

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Institution: Duke University

Title: The Sixth International Symposium on the Biology of Vertebrate Sex Determination

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Institution: Duke University

Title: Stakeholder Perspectives on Noninvasive Prenatal Genetic Testing: What we have Learnt and Where We Are Going

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Institution: Duke University

Title: Genome Editing with Engineered Enzymes for the Correction of Hereditary Genetic Diseases

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: Duke University

Title: Using High-Throughput Protein Binding Microarray Data to Identify DNA Sequence Polymorphisms that Affect Gene Regulation

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Institution: Duke University

Title: Molecular Forces Across Vinculin as a Primary Determinant of Collective Cell Migration

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Institution: Duke University

Title: Mechanisms of E. coli Persistence in Macrophages as a Trojan Horse in Invasive Infections of the Newborn

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Institution: Duke University

Title: Genomic and Epigenetic Mechanisms of Human Centromere Assembly

---

Institution: Duke University Medical Center

Title: FASEB Science Research Conference on the Biology and Chemistry of Vision

---

Institution: Duke University Medical Center

Title: Cell Cycle Regulation During Organ Regeneration

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Institution: Duke University Medical Center

Title: Investigating the Molecular Mechanisms Regulating Brain Ventricular Wall Maturation

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Institution: Duke University Medical Center

Title: Investigating the Mechanisms Regulating Brain Ventricular Wall Maturation

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Institution: Duke University Medical Center

Title: 2016 Weinstein Conference

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## ***Research Grants In Effect During 2016***

Institution: Duke University Medical Center

Title: Regulation of Cardiomyocyte Proliferation Dynamics During Zebrafish Heart Development

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Institution: DUMC 3054 Duke University

Title: Gordon Research Conference on Centromere Biology: Structural and Functional Dynamics of the Centromers in Mitosis and Meiosis

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Institution: National Institutes of Environmental Health Sciences

Title: Mitochondrial Medicine 2017: Washington, DC

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Institution: Duke University

Title: Breaching Barriers to Inhaled Nitric Oxide for Prevention of Bronchopulmonary Dysplasia

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Institution: East Carolina University

Title: Steroid Hormone Signaling and the Control of Adult Stem Cell Activity in Drosophila

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Institution: National Institute of Environmental Health Science

Title: In Vivo Analysis of Progesterone Receptor in Myometrium

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Institution: Cincinnati Children's Hospital Medical Center

Title: Macrophage Regulation of Fetal Testis Vascularization and Morphogenesis

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Institution: Cincinnati Children's Hospital Medical Center

Title: Early Language and Functional Expectations (LIFE) Study of Infants and Toddlers with Hearing Loss

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Institution: Cincinnati Children's Hospital Medical Center

Title: Molecular Mechanisms Underlying Lung Growth and Hypoplasia: Role of Wntless

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: Cincinnati Children's Hospital Medical Center

Title: Illumination of Mechanisms Controlling Atrial Cell Formation

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Institution: Cincinnati Children's Hospital Medical Center

Title: Mechanisms of Retinoic Acid Signaling Induced Congenital Heart Defects

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Institution: Cincinnati Children's Hospital Medical Center

Title: Endocannabinoid Signaling via CB2 Protects Against Preterm Birth by Modulating Immune Responses

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Institution: Cincinnati Children's Hospital Medical Center

Title: Defining The Role of Sox2 in Vaginal Atresia Disorder

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Institution: Cincinnati Children's Hospital Medical Center

Title: Molecular Mechanisms Underlying Body Temperature Rhythm in Drosophila

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Institution: Cincinnati Children's Hospital Medical Center

Title: Pediatric Scientist Development Program

---

Institution: Cincinnati Children's Hospital Medical Center

Title: Pediatric Scientist Development Program

---

Institution: Cincinnati Children's Hospital Medical Center

Title: Pediatric Scientist Development Program

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Institution: Cincinnati Children's Hospital Medical Center

Title: The March of Dimes Prematurity Research Center Ohio Collaborative

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Institution: Cincinnati Children's Hospital Medical Center

Title: The March of Dimes Prematurity Research Center Ohio Collaborative

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## ***Research Grants In Effect During 2016***

Institution: Cincinnati Children's Hospital Medical Center

Title: The March of Dimes Prematurity Research Center Ohio Collaborative

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Institution: Cincinnati Children's Hospital Medical Center

Title: Genetic Analysis of Human Preterm Birth

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Institution: Cincinnati Children's Hospital Medical Center

Title: March of Dimes Prematurity Research Center Ohio Collaborative

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Institution: Cincinnati Children's Hospital Medical Center

Title: Regulation of Sex Chromosome Inactivation by the FANC/BRCA Pathway

---

Institution: Cincinnati Children's Hospital Medical Center

Title: Transgenerational Effects of Active Epigenetic Modifications

---

Institution: Cincinnati Children's Hospital Medical Center

Title: Regulation of Escape Genes on the Inactive X-Chromosome

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Institution: Cincinnati Children's Hospital Medical Center

Title: Genetic Registry for Pediatric Heart Disease: The CCVM Consortium

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Institution: Cincinnati Children's Hospital Medical Center

Title: Pregnancy Induced Maternal Regulatory T Cells

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Institution: Cincinnati Children's Hospital Research Foundation

Title: The Role of the Intraflagellar Transport Gene Ttc21b in Neural Ciliopathic Disease

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Institution: The LAM Foundation

Title: 2016 Rare Lung Diseases Conference

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## ***Research Grants In Effect During 2016***

Institution: Case Western Reserve University

Title: Magnesium Decreases Inflammatory Cytokine Production: A Novel, Important Innate Immunomodulatory Mechanism

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Institution: Case Western Reserve University

Title: Epigenetic Regulation of Spermatogenesis By Long Intervening Non-coding (linc) RNAs

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Institution: Cleveland Clinic

Title: Preparing Pregnant Women to Make Informed Decisions about Non-Invasive Genetic Testing

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Institution: Cleveland Clinic

Title: 2015 Gordon Research Conference on Cartilage Biology and Pathology

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Institution: Cleveland Clinic

Title: 2014 International SOX Conference

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Institution: MetroHealth Medical Center

Title: Determination of the Mechanisms of Preterm Premature Fetal Membrane Rupture Using a Novel in-Vitro Model System

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Institution: MetroHealth Medical Center

Title: Determination of the Mechanisms of Preterm Premature Fetal Membrane Rupture Using a Novel in-Vitro Model System

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Institution: Nationwide Children's Hospital

Title: Prenatal Marijuana as Neuroteratogen: Outcomes of Executive Function and Aggression in Preschool-age Children

---

Institution: The Research Institute at Nationwide Children's Hospital

Title: Omega Tots: Polyunsaturated Fatty Acid Supplementation of Toddler Diets to Improve Development and Behavior Outcomes Among Children Born Preterm

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: Ohio State University

Title: Characterizing Folate Dependent Mechanisms of Ocular Morphogenesis

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Institution: The Ohio State University

Title: FASEB Science Research Conference on Retinoids

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Institution: The Ohio State University College of Medicine

Title: 2014 Perinatal Research Society Annual Meeting

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Institution: Oklahoma Medical Research Foundation

Title: The Role of SHOC1 in Mouse Meiotic Homologous Recombination

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Institution: Oregon Health & Science University

Title: Society for the Study of Reproduction 2012 Annual Meeting & 18th Ovarian Workshop

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Institution: University of Oregon

Title: Dynamics of Double Strand DNA Break Repair Partner Choices during Meiosis

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Institution: University of Oregon

Title: Dynamic Roles of Wnt Signaling During Heart Valve Development

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Institution: Oregon Health & Science University

Title: International Federation of Placenta Associations: Placenta: Back to the Basics

---

Institution: Oregon Health Sciences University

Title: Turner Syndrome Heal and Wellness in the 21st Century: The crossroads of Health Care Research and Health Care Delivery

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Institution: Oregon Health & Science University

Title: Cellular and Molecular Mechanisms of Perinatal White Matter Injury

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## ***Research Grants In Effect During 2016***

Institution: Charles River Laboratories

Title: 57th Annual Meeting of the Teratology Society

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Institution: Children's Hospital of Philadelphia

Title: Mitochondrial Medicine 2015: Washington, DC

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Institution: Children's Hospital of Philadelphia

Title: Mechanistic Analysis of Retinoid Deficiency Induced Enteric Nervous System (ENS) Defects

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Institution: University of Pennsylvania

Title: Adaptability of Organelle Size and Gene Expression to Variation in Cellular Dimensions during Embryo Development

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Institution: University of Pennsylvania

Title: Sleep and Brain Development in Health and Disease

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Institution: School of Veterinary Medicine

Title: Sleep and Cognitive Function in Rodent Model of Prenatal Alcohol Exposure

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Institution: The Children's Hospital of Philadelphia

Title: Update on Prenatal Diagnosis and Treatment of Fetal Anomalies

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Institution: The Children's Hospital of Philadelphia

Title: 33rd Annual David W. Smith Workshop on Malformations and Morphogenesis

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Institution: The Children's Hospital of Philadelphia

Title: 10th Biennial International 23q 11.2 Conference

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## ***Research Grants In Effect During 2016***

Institution: The Children's Hospital of Philadelphia

Title: 2016 Bones and Teeth GRC "From Scientific Discoveries to Novel Therapies - New Horizons for Bones and Teeth"

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Institution: The University of Pennsylvania

Title: Effects of Bisphenol A on Genomic Imprinting in the Mouse

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Institution: University of Pennsylvania

Title: Regulation of Polycomb Complexes by Noncoding RNAs

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Institution: University of Pennsylvania

Title: The Role of the Nuclear Pore Complex in Developmental Gene Regulation and Genome Organization

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Institution: University of Pennsylvania

Title: The March of Dimes Prematurity Research Center at the University of Pennsylvania

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Institution: University of Pennsylvania

Title: The March of Dimes Prematurity Research Center at the University of Pennsylvania

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Institution: University of Pennsylvania

Title: The March of Dimes Prematurity Research Center at the University of Pennsylvania

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Institution: University of Pennsylvania

Title: Update on Fetal Diagnosis and Treatment

---

Institution: University of Pennsylvania

Title: Molecular Identification and Development of A Delta Pain-sensing Neurons

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## ***Research Grants In Effect During 2016***

Institution: University of Pennsylvania

Title: Single-cell Transcriptome Analysis of Olfactory Sensory Neurons to Investigate Mechanisms of Olfactory Axon Guidance

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Institution: University of Pennsylvania School of Medicine

Title: Signaling Mechanisms that Act Downstream of the Frazzled/DCC Receptor to Control Circuit Formation in the CNS

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Institution: Children's Hospital of Pittsburgh

Title: Mitochondrial Medicine 2013: Pittsburgh

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Institution: Magee-Women's Research Institute and Foundation

Title: Identification of Chromatin Modifying Complexes Required for Meiotic Crossover Formation

---

Institution: University of Pittsburgh

Title: MicroRNAs in the Renal Stroma

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Institution: University of Pittsburgh

Title: Elucidating the Regulation of Embryonic Genome Activation

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Institution: The University of Pittsburgh

Title: 2013 Cartilage Biology and Pathology Gordon Research Conference

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Institution: University of Pittsburgh

Title: The 13th International Workshop on Developmental Nephrology: From Basic Models to Translational Science

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Institution: University of Pittsburgh

Title: 17th Congress of the International Pediatric Nephrology Association

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## ***Research Grants In Effect During 2016***

Institution: University of Pittsburgh

Title: Uterine Quiescence During Pregnancy is Maintained by Caspase-3 Activation as a Result of the Myometrial Endoplasmic Reticulum Stress Response in a Progesterone Mediated Manner

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Institution: University of Pittsburgh

Title: Interrogation of Planarian Regeneration to Understand Human Development and Disease

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Institution: University of Pittsburgh

Title: Genome-wide Transcriptional Regulation During Embryonic Left-Right Patterning

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Institution: University of Pittsburgh

Title: Molecular Coordination of Cell Movement and Cell-Cell Adhesion During Neural Tube Formation

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Institution: University of Pittsburgh

Title: Elucidating the Mechanisms Controlling a Zebrafish Model of Infantile Liver Regeneration

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Institution: The Pennsylvania State University

Title: Towards Understanding the Complex Genetics of Human Intellectual Disability Disorders

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Institution: Women & Infants Hospital of Rhode Island

Title: Bioinformatics and Targeted Resequencing in Preterm Birth

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Institution: Rhode Island Hospital

Title: Pre-clinical Evaluation of a Novel Vaccine for Pediatric Falciparum Malaria

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Institution: The Medical University of South Carolina

Title: 2014 Weinstein Cardiovascular Development Conference

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## ***Research Grants In Effect During 2016***

Institution: University of South Carolina

Title: Trace Elements in Biology and Medicine

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Institution: St. Jude Children's Research Hospital

Title: Molecular and Genetic Control of Cell Polarity During Neuronal Migration: Seven in Absentia (Siah) as a Novel Regulator of the PAR Polarity Signaling Complex

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Institution: St. Jude Children's Research Center Hospital

Title: Identification of Novel Somite-Derived Hematopoietic Stem Cell Specification Signals

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Institution: St. Jude Children's Research Hospital

Title: Gordon Research Conference on Molecular Mechanisms in Lymphatic Function and Disease

---

Institution: Vanderbilt University

Title: FASEB Yeast Chromosome Structure, Replication and Segregation

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Institution: Vanderbilt University

Title: The Role of Respiratory Viruses in Premature Infant Lung Disease

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Institution: Vanderbilt University

Title: Genetic Analysis of Human Preterm Birth

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Institution: Vanderbilt University Medical Center

Title: Neural Crest Lineages in the Enteric Nervous System

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Institution: The University of Texas at Austin

Title: Spatial Regulation of Receptor Tyrosine Kinase Activity in the Early Drosophila Embryo

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Institution: Howard Hughes Medical Center

Title: Genetic Recombination and Genome Rearrangements

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## ***Research Grants In Effect During 2016***

Institution: The University of Texas at Austin

Title: Cerebellum 2015: Gordon Research Conference

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Institution: University of Texas at Austin

Title: Folic Acid, vitamin B12 and One Carbon Metabolism

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Institution: University of Texas, Austin

Title: Mammalian DNA Repair Gordon Research Conference

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Institution: University of Texas Southwestern Medical Center

Title: Delineating the Role of Non-canonical Wnt Signaling in Kidney Morphogenesis

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Institution: University of Texas Southwestern Medical Center

Title: Cellular Mechanisms in the Initiation of Labor

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Institution: University of Texas Southwestern Medical Center

Title: Cellular Mechanisms in the Initiation of Labor

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Institution: University of Texas Southwestern Medical Center

Title: Maternal VLDLR Regulation of Milk PAFAH and Neonatal Inflammation

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Institution: UT Southwestern Medical Center

Title: Insights into Diversity of Cervical Ripening Processes in Term and Preterm Birth

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Institution: UT Southwestern Medical Center

Title: PouC is a Novel Regulator of Zebrafish Atrioventricular Canal Morphogenesis

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Institution: University of Texas Southwestern Medical Center

Title: The Role of Candida Albicans in the Development of Neonatal Bacteremia

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: University of Texas Southwestern Medical Center

Title: Characterization of the Role of Foxp1 in the Developing Brain and Autism-Related Signaling and Behaviors

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Institution: University of Texas Southwestern Medical Center

Title: A Guardian of Transcribed Chromatin

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Institution: University of Texas Southwestern Medical Center

Title: Role of p120 Catenin in Glomerular Development and Function

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Institution: University of Texas Southwestern Medical Center

Title: Structure and Function of the Central Pair Complex in Cilia and Flagella

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Institution: University of Texas Southwestern Medical Center

Title: Preterm Birth: Identification of Novel Interventions for Preterm Cervical Ripening

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Institution: University of Texas Southwestern Medical Center

Title: Fetal Fibronectin, a Target of Therapy for Premature Rupture of the Fetal Membranes

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Institution: University of Texas Southwestern Medical Center

Title: Decoding Chromatin Regulation of Sonic Hedgehog Signaling with Proteomic Approaches

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Institution: University of Texas Southwestern Medical Center

Title: Angptl Receptor Supported Expansion of Cord Blood Stem Cells

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Institution: University of Texas Medical Branch

Title: Preterm Birth International Collaborative (PREBIC) 2012

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Institution: University of Texas Medical Branch

Title: PREBIC 2013 Workshop and Satellite Meetings

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: University of Texas Medical Branch

Title: Embryonic Splicing Programs Controlled by Protein Kinase C Pathway is Critical During Heart Development

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Institution: Baylor College of Medicine

Title: Omics of the Placenta in Preterm Birth

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Institution: Baylor College of Medicine

Title: Modulating Lysosomal Function To Treat Lysosomal Storage Diseases

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Institution: Baylor College of Medicine

Title: Gordon Research Conference on Mammalian Reproduction

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Institution: Baylor College of Medicine

Title: In Vivo Analysis of Progesterone Receptor in Myometrium

---

Institution: Baylor College of Medicine

Title: Dissecting Pathways That Regulate Social Behavior in *Drosophila Melanogaster*

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Institution: Baylor College of Medicine

Title: Mechanisms of Hematopoietic Stem Cell Suppression in Viral-Associated Hydrops Fetalis

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Institution: Baylor College of Medicine

Title: 2014 Bones and Teeth Gordon Research Conference

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Institution: Baylor College of Medicine

Title: Mapping the Developmental, Genetic, and Functional Organization of Respiratory Neural Circuits

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: Baylor College of Medicine

Title: Development of a Therapeutic Strategy for Lysosomal Neurodegenerative Disorders of Childhood

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Institution: Baylor College of Medicine

Title: Neuroendocrine Regulation of Reproductive Aging

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Institution: The University of Texas M. D. Anderson Cancer Center

Title: Genetic and Cellular Mechanisms of Airway Diameter Control

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Institution: Baylor College of Medicine

Title: Identifying Cortical Microcircuit Abnormalities in a Mouse Model of Autism Spectrum Disorder

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Institution: MD Anderson Cancer Center

Title: Embryology Course

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Institution: MD Anderson Cancer Center

Title: Embryology: Concepts and Techniques in Modern Developmental Biology

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Institution: MD Anderson Cancer Center

Title: Embryology: Concepts & Techniques in Modern Developmental Biology

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Institution: Baylor College of Medicine

Title: The Role of RERE in 1p36-Related Cardiovascular Malformations

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Institution: Baylor College of Medicine

Title: Bridging the Gap Between Genetic Defects and Neuronal Circuit Malfunction: In Vivo 2-Photon Study of Rett Cortical Physiology

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## ***Research Grants In Effect During 2016***

Institution: The University of Texas Anderson Cancer Center

Title: FASEB 3rd International Conference on Retinoids

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Institution: The University of Texas Health Science Center

Title: 2016 ACMG Annual Clinical Genetics Meeting

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Institution: University of Texas

Title: Post Transcriptional Control of Gene Expression: Mechanisms of mRNA Decay

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Institution: University of Texas M.D. Anderson Cancer Center

Title: Embryology Course Scholarships

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Institution: Rice University

Title: Generation of Hybrid Bioprostheses for Treating Congenitally Diseased Heart Valves

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Institution: The University of Texas Health Science Center at San Antonio

Title: Cellular Mechanisms of Auditory Processing Disorder in Premature Newborn

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Institution: University of Texas Health Science Center at San Antonio

Title: Epigenetics of Human Myometrium and Relationship to the Length of Gestation

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Institution: Utah State University

Title: 31st Annual Meeting of the ASRI

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Institution: Huntsman Cancer Institute

Title: Identifying Novel Genetic Pathways Underlying Neural Crest Migration and Neurocristopathies

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Institution: University of Utah

Title: Characterization of Genetic Pathways Regulating Connectivity Disruption in Hypoxic Injury

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## ***Research Grants In Effect During 2016***

Institution: University of Utah

Title: Role of Connective Tissue in Diaphragm Development and Hernias

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Institution: University of Utah

Title: Genetic, Molecular and Cellular Mechanisms Regulating Development of Congenital Diaphragmatic Hernias

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Institution: University of Utah

Title: 2015 Gordon Research Conference on Myogenesis

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Institution: University of Utah

Title: Hedgehog Signaling and Morphogenesis in the Etiology of Coloboma

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Institution: University of Utah

Title: 42nd Annual Meeting of the Perinatal Research Society

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Institution: University of Utah

Title: John Carey Festschrift Scientific Symposium

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Institution: University of Utah

Title: FGFs in Development and Disease Gordon Research Conference and Seminar

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Institution: University of Utah

Title: Modeling and Discovering Genes Responsible for Human Omphalocele

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Institution: University of Utah

Title: Studies on Angiogenic Mechanisms and Safety Regarding Erythropoietin in Retinopathy of Prematurity: Seeking a Safe Treatment

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Institution: University of Vermont

Title: Mechanical Control of Chromosome Geometry

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## ***Research Grants In Effect During 2016***

Institution: University of Virginia

Title: Gordon Research Seminar and Conference: Cell Growth and Proliferation

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Institution: University of Virginia

Title: Developmental Checkpoint Control of Tissue Homeostasis and Regeneration

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Institution: University of Virginia

Title: Anesthesia-induced Risks of Cognitive Impairments During Early Stages of Development: Mechanism and Prevention

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Institution: University of Virginia

Title: Anesthesia-induced Risks of Cognitive Impairment During Early Development - Mechanism and Prevention

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Institution: University of Virginia

Title: Genetic Analysis of the Role of Glial-Glial Interactions in Peripheral Nervous System Assembly and Maintenance

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Institution: University of Virginia

Title: Construction of Tissues and Organs from Embryoid Bodies Instructed with a Combination of Morphogen Gradients

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Institution: Environmental Mutagenesis and Genomics Society

Title: Environmental Mutagenesis and Genomics Society 45th Annual Meeting

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Institution: Ackairo Pharmaceutical Devekionebt Group, Inc

Title: 56th Annual Meeting of the Teratology Society - New Horizons in Birth Defects Research

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Institution: Ackairo Pharmaceutical Devekionebt Group, Inc

Title: 55th Annual Meeting of the Teratology Society Understanding Birth Defects and Reproductive Health: From Basic to Translational Research

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## ***Research Grants In Effect During 2016***

Institution: Ackairo Pharmaceutical Devekionebt Group, Inc

Title: 55th Annual Meeting of the Teratology Society Understanding Birth Defects and Reproductive Health: From Basic to Translational Research

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Institution: Carter BioConsulting

Title: American Society of Gene & Cell Therapy 14th Annual Meeting

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Institution: Fred Hutchinson Cancer Research Center

Title: Meiosis Gordon Research Seminar

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Institution: Seattle Children's Hospital

Title: Accelerating Research and Development to Address Preterm Birth Meeting

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Institution: Seattle Children's Hospital

Title: Mitochondrial Medicine 2016

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Institution: University of Washington

Title: Novel Receptor Antagonists for Delaying Preterm Birth, Prolonging Gestation and Improving Fetal Outcomes in the Nonhuman Primate

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Institution: University of Washington

Title: American Society of Gene & Cell Therapy 17th Annual Meeting

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Institution: University of Wisconsin - School of Medicine and Public Health

Title: Epigenetic Inheritance of a Therapeutic Trait

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Institution: Perinatal Research Society

Title: 2016 Perinatal Research Society Meeting

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## ***Research Grants In Effect During 2016***

Institution: Univer. of Wisconsin-Madison Med. School

Title: Embryonic-Extraembryonic Interfaces: Emphasis on Molecular Mechanisms of Development in Amniotes

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Institution: University of Wisconsin-Madison

Title: Investigation into the Role of the Proximal Walls of the Murine Allantois in Driving the Fetal-umbilical Connection

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Institution: University of Wisconsin-Madison

Title: Mechanistic Insights into the Role of Grainyhead in Embryonic Development

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Institution: University of Wisconsin-Madison

Title: Role of Epigenetic Mechanisms in Pluripotency

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Institution: University of Wisconsin-Madison

Title: 2015 Perinatal Research Society Annual Meeting

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Institution: Concordia University Wisconsin

Title: Ephrin-B2 Enhances KDR Signaling in Developing Lung

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Institution: American Society of Gene and Cell Therapy

Title: American Society of Gene & Cell Therapy 18th Annual Meeting

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Institution: Medical College of Wisconsin

Title: Ephrin-B2 Enhances KDR Signaling in Developing Lung

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Institution: Murdoch Children's Research Institute

Title: Elucidating Genetic Contributions to Speech and Language Disorders

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Institution: Murdoch Children's Research Institute

Title: Mouse Models of Beckwith-Wiedemann Syndrome

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## ***Research Grants In Effect During 2016***

Institution: PREBIC

Title: PREBIC Annual Scientific Meeting and Workshop

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Institution: Royal Prince Alfred Hospital

Title: ISPD 18th International Conference on Prenatal Diagnosis and Therapy

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Institution: Monash University

Title: 2013 Gordon Myogenesis Meeting

---

Institution: Nosal Institute for Global Health

Title: HVP Global Globin 2020 Challenge - 2016 Meeting

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Institution: Max-Planck Institute of Biochemistry

Title: 2015 Nucleic acids Gordon Research Conference

---

Institution: Simon Fraser University

Title: Cilia Formation and Function in Developmental Health

---

Institution: Simon Fraser University

Title: Role of Cardiac Mutations in Sudden Unexpected Death in Infants

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Institution: University of Alberta

Title: Canadian National Perinatal Research Meeting

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Institution: University of Alberta

Title: Western Perinatal Research Meeting 2012

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Institution: University of Alberta

Title: OPERA - Optimal Pregnancy Environment Risk Assessment International Meeting

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## ***Research Grants In Effect During 2016***

Institution: University of Alberta

Title: Canadian National Perinatal Research Meeting

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Institution: University of Alberta

Title: OPERA - Optimal Pregnancy Environment Risk Assessment International Meeting

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Institution: McMaster University

Title: 4th Annual Canadian National Perinatal Research Meeting

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Institution: Queen's University

Title: 2016 Gordon Research Conference on Mammalian Reproduction

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Institution: Institut National de la Recherche Scientifique (INRS)

Title: Role of Translational Control in the Pathogenesis of Toxoplasmosis

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Institution: Institut National de la Recherche Scientifique (INRS)

Title: Role of Translational Control in the Pathogenesis of Toxoplasmosis

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Institution: Institut National de la Recherche Scientifique (INRS)

Title: A Fundamental Study of Placental Serotonin-Estrogen Interactions to Understand Risks and Benefits of Treatment with Selective Serotonin-Reuptake Inhibitors for Depression During Pregnancy

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Institution: Centre Hospitalier Universitaire Sainte-Justine

Title: Canadian National Perinatal Research Meeting

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Institution: Centre Hospitalier Ste Justine Research Center

Title: Allosteric Regulation and Biased Signaling of Prostaglandin F2a Receptor - For Improved Tocolytic Therapeutics

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## ***Research Grants In Effect During 2016***

Institution: Université du Québec à Montréal

Title: Presence of HERV Envelope Proteins in Placenta-derived Exosomes and Their Association with Pre-eclampsia

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Institution: McGill University

Title: Elucidating the Involvement of the Nodal Signaling Pathway in Preterm Birth

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Institution: McGill University

Title: Prenatal Maternal Depression and its Role in the Development of Anxious and Depressive Psychopathology in Early Childhood: Examining Maternal Sensitivity and Child Temperament as Moderators and Markers for Intervention

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Institution: Ottawa Hospital Research Institute

Title: Peri-ovulatory Putrescine Supplementation as Aneuploidy-reduction Pill for Older Women?

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Institution: University of Saskatchewan

Title: 10th International Copper Research Meeting

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Institution: McGill University

Title: 48th Annual Meeting of the Society for the Study of Reproduction - The Evolution of Sex

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Institution: McGill University

Title: Immunobiology of Host-Parasite Relationships during Toxoplasmosis

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Institution: The Hospital for Sick Children

Title: Mechanisms of Intestinal Stem Cells in Early Postnatal Development and Disease

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Institution: The Hospital for Sick Children

Title: An Integrated Toolkit to Save Newborn Lives and Brains

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## ***Research Grants In Effect During 2016***

Institution: Mount Sinai Hospital

Title: North American Wilms Tumor Study: Parental Reproductive Health, Other Risk Factors and Wilms Tumor

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Institution: Mount Sinai Hospital

Title: 42nd Annual Meeting of the Perinatal Research Society

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Institution: Mount Sinai Hospital

Title: Prevention of Preterm Birth: Targeting Inflammatory Pathways

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Institution: Mount Sinai Hospital

Title: Gordon Research Conference on Visual Systems Development

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Institution: Mount Sinai Hospital

Title: Planar Cell Polarity and Congenital Anomalies of the Kidney and Urinary Tract (CAKUT)

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Institution: The Hospital for Sick Children

Title: Determining the Etiology and Pathogenesis of Scoliosis Using PTK7 Mutant Zebrafish - A Powerful New Genetic and Experimental Model System

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Institution: Toronto General Research Institution

Title: Neonatal Susceptibility to Viral Myocarditis is Mediated by a Lack of Mature and Ontologically Distinct Cardiac Macrophage Subsets

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Institution: University of Toronto

Title: The 8th Biennial International 22q11.2 Deletion Syndrome Meeting

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Institution: Child & Family Research Institute

Title: Epigenetic Regulation of p40, a Potential Major Player in Preterm Infants' Immune Defense Against Infections

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## ***Research Grants In Effect During 2016***

Institution: Arch Mardarios III Hospital

Title: Challenges with Preterm Birth

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Institution: King's College London

Title: Early Brain Damage Leading to Dopamine Dysregulation - Testing a Cardinal Neurodevelopmental Hypothesis of Psychiatric Illness

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Institution: UCL Institute of Child Health

Title: 20th International Conference on Prenatal Diagnosis and Therapy

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Institution: Justus-Liebig-Universitaet Giessen

Title: 2nd Fibroblast Growth Factors in Development and Repair Conference

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Institution: Justus-Liebig-Universitaet Giessen

Title: FGFs in Development and Disease Gordon Research Conference and Seminar

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Institution: Aristotle University of Thessaloniki

Title: 41st Meeting of the European Teratology Society

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Institution: Biomedical Sciences Research Centre Alexander Fleming

Title: Receptor Tyrosine Kinase Alk and Nf1-Mediated Signaling in Learning

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Institution: The Chinese University of Hong Kong

Title: 11th Asia Pacific Congress in Maternal Fetal Medicine

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Institution: Indian Society for Prenatal Diagnosis and Therapy

Title: 28th International Fetoscopy Group Meeting-2013

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Institution: Technion-Israel Institute of Technology

Title: The Embryological Origin and Specification of the Kidney Glomerulus

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## ***Research Grants In Effect During 2016***

Institution: Hebrew University

Title: The Production of Stable and Fully Functional Human Induced Trophoblast Stem Cells for Modelling and Treating Placental Dysfunction Diseases

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Institution: Sheba Medical Center

Title: Characterizing Angiogenic Cells to Improve Therapies for Vascular Malformations

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Institution: Weizman Institute of Science

Title: 2017 Gordon Research Conference on Cartilage Biology & Pathology: Understanding Biology to Achieve Better Cartilage Health

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Institution: Net Congress and Education SRL

Title: 18th World Pediatric and Adolescent Gynecology Congress

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Institution: University of Calabria

Title: First International Retinoids Meeting 2013

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Institution: Santa Maria della Misericordia University Hospital

Title: Global Conference on Maternal Infant Health - Strategies and Critical Issues for Amellorating Global Health of the Mother, the Fetus and Newborn

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Institution: Royal College of Obstetricians and Gynecologists

Title: Each Baby Counts - The RCOG Intrapartum Stillbirth Initiative

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Institution: AMOG

Title: Action Plan for the Reduction births Pre-Term

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Institution: Mozambican Society of Obstetrics & Gynecologists

Title: Seminar on Pre Eclampsia and Pre Term Birth

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## ***Research Grants In Effect During 2016***

Institution: Polish Society for Fetal Cardiology Promotion, ICZMP

Title: Vth Conference Kardio-Prenatal: Prenatal Diagnoses in Pediatric Hospital

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Institution: Instituto Gulbenkian de Ciencia

Title: Fetal Factors Protecting From Placental Malaria

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Institution: Centro Hospitalar Do S. Joao

Title: ISPD 17th International Conference on Prenatal Diagnosis and Therapy

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Institution: University of the Basque Country

Title: Angelman Syndrome Ligase Substrate Identification using a Novel Strategy to Capture Neuronal Ubiquitin Conjugates using the Drosophila Model System

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Institution: University of the Basque Country

Title: UBE3A Substrates: In Vivo Studies in Mice for Angelman and Dup15q Syndromes

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Institution: University of Ruhuna

Title: March of Dimes Symposium on "Discovering Genetic Causes and Preventing Preterm Birth Through New Research Directions" at the FIGO SAFOG SLCOG 2014 Conference

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Institution: Ludwig Institute for Cancer Research

Title: FASEB Conference on The TGF-B Superfamily: Signaling in Development and Disease

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Institution: Ludwig Institute for Cancer Research

Title: The TGF-B Superfamily: Signaling in Development and Disease

---

Institution: Sahlgrenska Academy

Title: 2nd European Spontaneous Preterm Birth Congress

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## ***Research Grants In Effect During 2016***

Institution: University of Gothenburg

Title: Genetic and Epidemiological Studies of Timing of Birth with a Special Focus on Preterm Delivery

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Institution: F. Hoffmann-La Roche Ltd

Title: 43rd Meeting of the European Teratology Society Meeting

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Institution: F. Hoffmann-La Roche Ltd

Title: 42nd Annual Meeting of the European Teratology Society

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Institution: Aga Khan Health Service, Tanzania

Title: The 7th International Conference on the Prevention of Birth Defects and Disabilities in the Developing World

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Institution: WIL Research

Title: 44th European Teratology Society Conference

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Institution: Maastricht University Medical Center

Title: The Effect of Preimplantation Embryonic Environment on Infant Health

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Institution: Royal College of Obstetricians and Gynaecologists

Title: Each Baby Counts Clinical Engagement Forum

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Institution: University of Bristol

Title: FASEB Science Research Conference on Nucleic Acid Enzymes

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Institution: MRC Laboratory of Molecular Biology

Title: Role of Aldehyde Catabolism and DNA Repair in the Genesis of the Fetal Alcohol Syndrome

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Institution: University of Cambridge

Title: Derivation of Human Placental Stem Cells as Models for Development and Disease

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## ***Basil O'Connor Starter Scholar Research Award Grant List***

Institution: University of Cambridge

Title: The Molecular Regulation of Fetal Lung Maturation

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Institution: Wellcome Trust Sanger Institute

Title: 8th Molecular Biology of Hearing and Deafness Conference

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Institution: Cardiff University

Title: Understanding the Mechanisms of Pathogenesis to Develop Targeted Therapies for Childhood Lysosomal Storage Disorders and Related Diseases

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Institution: University of Oxford

Title: Systems Biology Analysis of the Neural Crest Gene Regulatory Network

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Institution: FIGO

Title: FIGO Working Group for pre-term Births

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Institution: FIGO

Title: FIGO Working Group on Preterm Birth

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Institution: FIGO

Title: FIGO Working Group for Preterm Birth Manuscript Development

---

Institution: King's College London

Title: GRS & GRC Craniofacial Morphogenesis and Tissue Regeneration

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Institution: Kings's College

Title: Molecular Biology of Hearing and Deafness

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Institution: St. George's University of London

Title: To provide funds for The Global Library of Women's Medicine.

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## ***Research Grants In Effect During 2016***

Institution: St. George's University of London

Title: Resource Development Grant

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Institution: St. George's University of London

Title: Resource Development Grant

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Institution: St. George's University of London

Title: Resource Development Grant

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Institution: Telomere Biology Laboratory

Title: Meiosis Gordon Research Seminar

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Institution: Case Western Reserve University

Title: Post Transcriptional Control of Gene Expression: Mechanisms of mRNA decay

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Institution: Oregon Health & Science University

Title: 47th Annual Meeting of the Society for the Study of Reproduction - Fertility: A Global Challenge

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