Common Fund Program Updates

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NIH/OD/DPCPSI/OSC

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National Institutes of Health
Office of Strategic Coordination - The Common Fund

New/Continuing CF Programs for FY16/FY17

NEW

- Molecular Mediators of Physical Activity (PA)

- Enabling Exploration of the Eukaryotic Epitranscriptome (E^4)

- Gabriella Miller Kids First Pediatric Research (Kids First)

CONTINUING

- Illuminating the Druggable Genome (IDG)

- Knockout Mouse Phenotyping (KOMP2)

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Proposal Review Process

- New program concepts were cleared: 6/14/2012 for PA, 6/20/2014 for E4 and 1/30/2015 for Kids First.

- IC Directors provided input on all proposals in Spring 2015.

- In April-May, NIH and DPCPSI Directors reviewed the final proposals for the five programs.

- Kids First, PA and KOMP2 have received approval for FY16.

- E4 and IDG will be reconsidered next year.

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PA Program

Overall Goal: To develop a catalog of molecular transducers of physical activity in humans and to perform preliminary functional characterization of key emergent transducers.

Initiative 1: Clinical study of well phenotyped fit or sedentary adults exposed to defined physical activity regimens

Initiative 2: Multi'omic analysis of tissues derived from participants and from parallel animal studies

Initiative 3: Consortium Coordination and Data Integration

Initiative 4: Animal studies to produce data that is parallel to the human data and to explore function and mechanisms

Expected Budget: $170M over 5 years

Kids First Program

Overall Goal: Develop a data commons resource for the pediatric research community incorporating both structural birth defects and pediatric cancer data.

Initiative 1: Cohort Identification and Enrichment

Initiative 2: Pediatric Data Commons

Initiative 3: Data Mining, Target Discovery and Development Projects

Expected Budget: $63M over 5 years

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Kids First Working Group

Co-Chairs: Alan Guttmacher (HD), Gary Gibbons (HL), Larry Brody (HG), Doug Lowy (CA)
Coordinators: Lorette Javois (HD), Jon Kaltman (HL), Adam Felsenfeld (HG), Malcolm Smith (CA)
OSC/Common Fund: Marie Nierras, Rachel Britt, Tony Daly

Carol Blaisdell (HL)
Lisa Brooks (HG)
Kristin Burns (HL)
James Coulombe (HD)
Donna Dimichele (HL)
Bill Dunty (HD)
Kim Gray (ES)
Tom Greenwell (EY)
Emily Harris (DE)
Debbie Henken (HD)

Dale Hereld (AA)
Tyl Hewitt (HD)
Keith Hoots (HL)
Deborah Hoshizaki (DK)
Mary Jenkins (CDC)
David Johnson (AI)
Danuta Krotoski (HD)
Sheran Law (HD)
Sara Lin (HL)
Kim McAllister (ES)
Barry McIntyre (ES)
Oleg Mirochnitchenko (ORIP)
Mahua Mukhopadhyay (HD)

Pankaj Qasba (HL)
Rebekah Rasooly (DK)
Bob Riddle (NS)
Steve Scholnick (DE)
Charlene Schramm (HL)
Lillian Shum (DE)
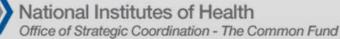Karen Sirocco (DA)
Cathy Spong (HD)
Kathryn Stein (DE)
John Thomas (HL)
Hung Tseng (AR)
Lu Wang (HG)
Anastasia Wise (ES)

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KOMP2 Program

Overall Goal: Systematically phenotype knockout mice to define the in vivo function of mammalian genes and identify new models of human disease.

Initiative 1: Production and Characterization of Knockout Mice

Initiative 2: Phenotyping of Knockout Mice

Initiative 3: Database and Data Coordination Center

Expected Budget: $94.25M over 5 years

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KOMP2 Working Group

Co-Chairs: James Battey (NIDCD), Eric D. Green (NHGRI)
Coordinators: Colin Fletcher (NHGRI)
OSC/Common Fund: Trish Labosky, Rebecca Lenzi, Kate Nicholson

Kristin M. Abraham (NIDDK)
Andrea Beckel-Mitchener (NIMH)
Lisa Chadwick (NIEHS)
Alison Deckhut (NIAID)
Franziska B. Grieder (NIH)
Tanya Hoodbhoy (NIGMS)
Lorette Javois (NICHD)
Robert Karp (NIDDK)

Cheryl Marks (NCI)
Oleg Mirochnitchenko (NIH)
Mark Moore (NHGRI)
Nancy Nadon (NIA)
Young S. Oh (NHLBI)
Jonathan Pollock (NIDA)
Matthew Reilly (NIAAA)
Robert Riddle (NINDS)

Jeff A. Schloss (NHGRI)
Steven Scholnick (NIDCR)
William Sharrock (NIAMS)
Grace L. Shen (NIA)
Bracie Watson (NIDCD)
Brad Wise (NIA)

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QUESTIONS?