DERC UC San Diego ■ UC Los Angeles ■ Cedars-Sinai ■ Salk Institute

SEPTEMBER 13, 2011

…To Meet Your Research Needs In Diabetes, Endocrinology, and Diabetes Complications…

NEW WEBSITE
http://DERC.ucsd.edu

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Please remember to cite the DERC Grant in all papers that utilize DERC Cores or are supported by the Pilot and Feasibility Awards:

"Our research utilized Core (or Research) support from the UCSD/UCLA NIDDK Diabetes and Endocrinology Research Center P30 DK063491."

2011 DERC P&F Grants AWARDED

Pilot and Feasibility Projects in Endocrinology & Diabetes

Pilot & Feasibility Program, Director: Pinchas Cohen

On behalf of the UCSD/UCLA Diabetes & Endocrinology Research Center Pilot and Feasibility Grant Committee, the UCSD/UCLA DERC Center is delighted to announce that we have awarded four outstanding projects for seed funding in 2011 out of eleven superb applications. This number and quality of the applications is clear evidence for the remarkable scientific environment that exists in our universities for supporting diabetes research especially among promising young scientists. The UCSD/UCLA DERC funds four grantees per year at approximately $30,000-$50,000.

THE UCSD/UCLA DERC is Proud to Announce the 2011 P&F AWARDEES:

Lily Chao, MD, from UCLA, leads this year's awardees, and is the 2011 Junior Faculty Developmental Award winner for her project studying the orphan nuclear receptor Nur77 as a novel regulator of mitochondrial biogenesis and function.

We awarded three P&F grants to:

Simon Schenk, PhD, from UCSD, for his proposal to study the regulation of skeletal muscle insulin action and gene transcription by the longevity associated factor SIRT1.

Eeekjoong Park, PhD, from UCSD, for her proposal to study the mechanistic role of NOD2 in prevention of TLR4-mediated insulin resistance and liver steatosis.

Olivia Osborn, PhD, from UCSD, for her proposal to study the role of the G-protein coupled receptor, GPR21, in the regulation of insulin resistance and sensitivity.

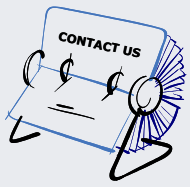
Please join us all in congratulating these promising young investigators and we all look forward to seeing the fruits of their research in the literature and in future DERC meetings

Pinchas Cohen, M.D., Professor and Chief of Diabetes & Endocrinology, Mattel Children's Hospital at UCLA & the David Geffen School of Medicine at UCLA. Co-Director, UCSD/UCLA Diabetes/Endocrinology Research Center, and Director of the Pilot and Feasibility Program.

Final report and presentation at the annual retreat

A report on each pilot and feasibility study conducted will be provided at the end of the study period and an update will be provided yearly for four years after the completion of the award. These brief reports will contain professional career status at the time of the award and at the time of the report; an overview of the project including its significance and salient results; a list of resulting publications; and peer-reviewed subsequent funding in the same or related areas. Funded P&F investigators will attend the annual DERC retreat as well as a meeting of Regional P&F awardees, and present the results of their work in the year immediately following their award. Travel to these meetings will be charged to the individual P&F awards.

ALL PAPERS MUST CITE P30 DK063491



Listserv for DERC Members

Send announcements, communications, requests, etc., to your DERC colleagues:

DERC-L@UCSD.EDU
If you are receiving this newsletter directly, you are already subscribed. If you would like to subscribe, please email mellonadmin@ucsd.edu. This is a moderated listserv, so messages will be prescreened such that only relevant and important messages will reach you.

NEW WEBSITE
http://DERC.UCSD.EDU

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Successful Funding for Recent Past Pilot and Feasibility Grantees

A number of our recent P&F awardees have been successful in obtaining grant support based on the preliminary data obtained from their P&F studies. Congratulations to all of these new Principle Investigators!

Herbst, Karen - UCSD - M01 RR000827
Clinical Trial: Metabolic Effects of Steriods in Obese Men

Georgia, Senta - UCLA - K01 DK088995
Novel Mechanisms to Increase Beta Cell Regeneration by P27

Kauffman, Alexander - UCSD - R01 HD065856
Neuroendocrine Regulation of Puberty and Development

Hevener, Andrea - UCLA - R01 DK078760
Impact of Heat Shock Protein on Inflammation Insulin Resistance and R01 DK089109 ERalpha and the Metabolic Syndrome

Matveyenko, Aleksey - UCLA - K01 DK089003
The Role of Melatonin Signaling in Regulation of Beta-Cell Survival and Function

Desai, Mina UCLA - R03 - HD060241
Adipocyte Renin-Angiotensin and Hypertension

Thackray, Varykina - UCSD - R01 HD067448
Integration of PR and Foxo Signaling in Pituitary

Cunard, Robyn - UCSD - I01 BX000573
Podocyte TRB in Diabetic Nephropathy

Please Hold the Date

DERC Meeting and P&F Retreat
January 12 and 13, 2012
in La Jolla, California

Mouse Phenotyping CORE:
Rajendra Tangirala, PhD
Core Director
Pinchas Cohen, MD
Core Co-Director
Andrea Hevener, PhD
Core Co-Director
David Hwang, PhD
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Transcriptional Genomics CORE:
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Inflammation CORE:
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Rajendra Tangirala, PhD
Core Co-Director

Core Contact:
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The Inflammation CORE
CORE Director: Peter Tontonoz, M.D., Ph.D.
Professor of Pathology and Laboratory Medicine

The Inflammation Core is an outgrowth of the interests of our DERC membership in mechanisms of inflammation that play roles in the development and progression of both metabolic and cardiovascular diseases. The objective of this Core is to provide state-of-the-art assays and techniques to investigators focusing on the role of inflammation in the settings of obesity, insulin resistance and diabetes. The Inflammation Core will aid DERC investigations by providing:

1. Standardized, accurate, precise and quality-controlled analyses.
2. Consistent, high-quality human monocyte preparations.
3. High-throughput profiling of nuclear receptor expression.
4. Consultation on available assays, experimental design and data interpretation.
5. Instruction on how to perform Core assays at user request.
6. Contacts to foster collaborations in the role of inflammation in diabetes and its complications.

DERC Inflammation Core services

Service	Non DERC Members	DERC Members
Luminex protein assay: Human, Mouse, Rat Cytokine, Chemokine, Adipokine & CVD1	$300 per assay	$150 per assay
Luminex mRNA assays	$300 per assay	$150 per assay
HMW/LMW Human adiponectin	$350	$175
Nuclear receptor profiling	$150	$75

Multiplex assays offered through the Core are listed below:

- **Human Adipokine**: Adiponectin (total), PAI-1, Resistin
- **Mouse Adipokine**: Il-6, Insulin, Leptin, MCP-1, PAI-1, Resistin, TNF-α
- **Rat Adipokine**: IL-1β, Il-6, Insulin, Leptin, MCP-1, PAI-1, TNF-α
- **Human CVD1**: MMP-9, MPO, PAI-1 (total), sE-selectin, sICAM-1, sVCAM-1
- **Mouse CVD1**: MMP-9, PAI-1 (total), sE-selectin, sICAM-1, sVCAM-1
- **Human Cytokines/Chemokines**: IL-1α, Il-1β, IL-1Rα, IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-10, IL-12 (p40), IL-12 (p70), IL-13, IL-15, IL-17, EGF, Eotaxin, Fractalkine, G-CSF, GM-CSF, IFNγ, IP-10, MCP-1, MIP-1α, MIP-1β, RANTES, sCD40L, TGFα, TNFα, VEGF
- **Mouse Cytokine / Chemokine**: IL-1α, Il-1β, IL-2, IL-4, IL-5, IL-6, IL-7, IL-9, IL-10, IL-12 (p70), IL-13, IL-15, IL-17, G-CSF, GM-CSF, IFNγ, IP-10, KC, MCP-1, MIP-1α, RANTES, TNFα
- **Rat Cytokines/Chemokines:** IL-1α, Il-1β, IL-2, IL-4, IL-5, IL-6, IL-9, IL-10, IL-12 (p70), IL-13, IL-17, IL-18, Eotaxin, G-CSF, GM-CSF, GRO/KC, IFNγ, IP-10, Leptin, MCP-1, MIP-1α, RANTES, TNFα, VEGF

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