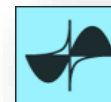


Newsletter



Volume 6, Number 3

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NEWS FLASH! Dr. Aziz Sancar Wins Nobel Prize in Chemistry



Dr. Aziz Sancar was awarded a share of the the Nobel Prize in Chemistry, along with Tomas Lindahl and Paul L. Modrich, for their groundbreaking, mechanistic studies on DNA repair. Dr. Sancar is known to the chronobiology community

for his structural and functional analysis of cryptochrome proteins as components of the circadian timekeeping mechanism.

In This Issue –

From the President	p. 1
Logo Competition	p. 2
SRBR2016 Guide to Innisbrook	p. 2
SRBR 2016 Program Update	p. 3
SRBR Preliminary Program	p. 4
Research Spotlight	p. 4
Website Update	p. 6
Jobs	p. 6
Meetings of Interest	p. 7
Recently Funded Grants	p. 7

From the President -

Dear SRBR family,

I hope you are enjoying the cooler fall weather, or warmer spring weather if you are down south of the equator. While SRBR committees are working hard to prepare for our 2016 meeting next May (more below), your Board of Directors and Executive Committee is busy planning for a record-

setting 2016 membership drive, organizing the next SRBR election, and insuring that the society's nest egg is sufficient, safe and secure. I was recently copied on an email from our terrific Society Manager, Ms. Michelle Chappell, who was congratulating Prof. Ken Wright on an NPR interview he gave that she had heard the evening before; it occurred to me that SRBR could do more to inform our members and the general public about chronobiology in the news, and along the way acknowledge the excellence and expertise that we enjoy as a Society. Consequently, we are establishing an "in the news" section on the SRBR website to highlight newsmakers from within our ranks. If you are interviewed by a national news program, a prominent national magazine or newspaper, or win a national or international award, please send this information to info@srbr.org. The SRBR communications team will post the information to the website to publicize the latest news in the biological rhythms field and acknowledge our members' accomplishments.

In this newsletter, our SRBR Communications Chair and Newsletter Editor Shelley Tischkau has assembled a great lineup of useful and informative articles about travel to the 2016 SRBR meeting at Innisbrook Resort, attractions to enjoy while you are in warm, sunny Tampa Bay FL for the meeting, announcements for the 2016 meeting logo contest, Research Spotlight pieces, as well as our standard sections that list job ads, meetings of interest and new grants awarded for chronobiology research. Enjoy!

Best wishes,

Paul Hardin

President, SRBR

SRBR 2016 Logo Competition

The SRBR 2016 Logo Committee, is seeking submissions for artwork to adorn the SRBR 2016 meeting. All current SRBR members may submit artwork to be considered for the meeting logo, but only student and postdoctoral trainee members will be eligible for the top three prizes: a free 2016 membership to the Society and free registration to the upcoming SRBR 2016 meeting.

Please send artwork to Carrie Partch at cpartch@ucsc.edu no later than **November 1st** for consideration. The Logo Committee will select the winning artwork, which will grace SRBR t-shirts and marketing material for the meeting.

All initial submissions must be vector artwork in PDF format; if selected, we will need an Illustrator-editable EPS or SVG file. By submitting your art for this competition, you certify that the work is your own and does not contain copyrighted elements, and that you allow the SRBR to use your artwork for any activities, documents, or web sites without additional permissions from you or additional compensation.

All submissions will be posted on the SRBR website, garnering you the respect and accolades of your peers.

SRBR 2016 – Guide to Innisbrook



The 2016 SRBR meeting will be held at Innisbrook Resort in Palm Harbor, Florida. The resort is nestled on 900 acres of rolling hills and 60 acres of lakes on the west coast of central Florida. It's about 25 miles from the Tampa International Airport. There will be access to a shuttle from the airport to the resort, pricing and more information about this will be posted to the web site. Innisbrook has 609 spacious guest rooms and suites, 100,000 square feet of unique indoor and outdoor event and meeting facilities and a luxurious spa (Indaba).

Information about air travel to the Tampa area: Tampa International Airport information is available at <http://www.tampaairport.com/>

There are direct flights from many US cities. The following airlines fly in/out: Alaska Air, Air Canada, American Airlines, British Airways, Cayman Airways, Copa Airlines, Delta Air, Edelwiss Air, Frontier, Jet Blue, Lufthansa, Silver Airways, Southwest Airlines, Spirit Airlines, Sun Country Airlines, United, US Airways, World Atlantic Airlines

Other nearby airports (if you are renting a car) St. Pete-Clearwater International Airport is 17 miles away. More information at <http://www.fly2pie.com/> Allegiant Air is the sole airline flying in and out of St. Pete-Clearwater.

If you plan to extend your stay, bring your family, or relax before, during or after the meeting, there are lots of activities at the resort. More information about activities can be found at <http://www.innisbrookgolfresort.com/activities/>



Some highlights of the available activities include: 4 Championship Golf Courses, Tampa Tennis on 11 beautifully maintained clay tennis courts, Indaba Spa & Wellness, Six swimming pools, including the Loch Ness Monster Pool, with water slides, 60 acres of lakes for fishing, miles of jogging, cycling, and nature walking trails. Shuttles are available to Honeymoon Island Beach & Caladesi Island Ferry.



Other area attractions can be found at:
<http://www.innisbrookgolfresort.com/activities/area-attractions>

The resort is centrally located to many beaches including the Clearwater Beach. The Greek Village of Tarpon Springs has a long history of sponge harvesting and at one point in history was known as the “sponge capital of the world.”



Short list of nearby attractions:
[Fred Howard Park & Beach](#),
[Honeymoon Island Beach and State Park](#),
[Clearwater Beach](#)
Florida Aquarium – 25 minutes (downtown Tampa)
Tampa Bay Downs – 15 minutes
Downtown St. Petersburg – 35 minutes
[Busch Gardens](#) – 45 minutes

SRBR 2016 Program Update

Hello everybody,

The Program Committee has made excellent progress in preparing the scientific program for SRBR 2016. The symposia have been completed: you can find the topics below and the full line-up of speakers online. At the moment, the committee is working on the afternoon workshops, sessions where topics and controversies will be debated by guest panelists and the audience, and for which you can see the topics, below.

It is my great pleasure to announce that the 2016 Pittendrigh-Aschoff lecturer will be Dr. Susan Golden, who will present her latest work but also her perspective on the future directions of the field of chronobiology. In another hallmark event of the SRBR conference, the Presidential Symposium, Drs. Michael Hastings and Michael Rosbash will talk about circuits, genes and behavior.

One novelty compared to other SRBR conferences is that all posters will be on boards during the whole meeting, with a third of the posters being discussed each evening. This is possible thanks to the large facilities available at the Innisbrook Resort. It will make it possible to discuss the data displayed on the posters during the whole meeting, not only a couple of hours on the night they are scheduled. More details about the program can be found on the SRBR web site at www.srbr.org.

Nico

Nicolas Cermakian, Ph.D.

SRBR 2016 Program Chair

SRBR 2016 Preliminary Program

Sunday, May 22

Morning symposia

Symposium 1: *Konopka Symposium: Frontiers of Molecular Chronobiology*

Symposium 2: *Clock flexibility and plasticity: genes, neurons and behavior*

Symposium 3: *Chronopharmacology in cancer, shift work sleep disorder and beyond*

Afternoon symposia

Symposium 4: *SRS-SRBR symposium: Sleep and circadian rhythms*

Symposium 5: *Circadian rhythms in natural environments*

Symposium 6: *Time perception and non-circadian timers*

Monday, May 23

Morning symposia

Symposium 7: *New facets of microbiology in chronobiology: from microbiota-host interactions to natural populations*

Symposium 8: *Role of the circadian system in cardiovascular health and disease*

Symposium 9: *Epigenetics and transcription networks in circadian clocks*

Presidential Symposium: *Circuits, genes and behavior*

Tuesday, May 24

Morning symposia

Symposium 10: *Biological rhythms in immune responses and infectious diseases*

Symposium 11: *Systems chronobiology*

Symposium 12: *Rhythms over the lifespan*

Afternoon symposia

Symposium 13: *Circadian rhythms in metabolism, diabetes and obesity*

Symposium 14: *Neuronal networks and central clock function*

Symposium 15: *Non-traditional models: what do they teach us about biological rhythms?*

Wednesday, May 25

Morning symposia

Symposium 16: *Circadian rhythms in the context of addiction, mood and neurodegenerative disorders*

Symposium 17: *Post-transcriptional/translational circadian mechanisms*

Symposium 18: *Non-visual effects of light and other zeitgebers*

Pittendrigh/Aschoff Lecture: Dr. Susan Golden

Workshops (afternoons of May 23-25)

Are circadian clocks therapeutic targets?

Big data sets: how useful are they and how to mine for gold?

Is it possible to translate chronobiology findings to real life, health and society?

Research Spotlight

Adverse Effects of Circadian Misalignment in Humans



Andrew McHill

SRBR: Tell me about your family.

AM: I grew up in the small town of Lebanon, Oregon (population ~13,000), where the closest shopping mall or nice restaurant is about 30 min away. I am a middle child in a family of six, with two older siblings (sister and brother) and one younger sibling (brother). My father is a circuit court judge and my mother is a high school Spanish teacher. All still live in Oregon. I am also married, with a wife who is also from Oregon, but we met when we

were undergraduates at Gonzaga University in Spokane WA. She is a kindergarten teacher.

SRBR: What are your hobbies?

AM: I love running (nothing much better than running along the Charles on a nice day), playing soccer or basketball, watching any type of sport, and of course circadian research!

SRBR: What is your favorite book?

AM: I can't think of one in particular, but I am very fond of Michael Crichton's novels and how he can make the far-fetched science seem believable.

SRBR: What kind of music do you like?

AM: I enjoy listening to all sorts of music, but my favorites are probably The Avett Brothers, Brett Dennen, Ray LaMontagne, The Decemberists, and Guster, usually just anything that is somewhat mellow and easy to listen to.

SRBR: How did you get interested in Chronobiology?

AM: When I was an undergraduate living in Spokane, I got a part-time job as a research assistant at the Washington State University Sleep and Performance Research Center with the thought that I could conveniently work at night and go to class during the day. Little did I know how terrible working nights would make me feel, or that I would become fascinated with sleep and circadian research. Wanting to learn more about the physiology of why I always felt terrible, I attended graduate school at the University of Colorado Boulder to work in Ken Wright's Sleep and Chronobiology Lab and have been trying to learn anything and everything about Chronobiology ever since!

SRBR: Tell me about your current research

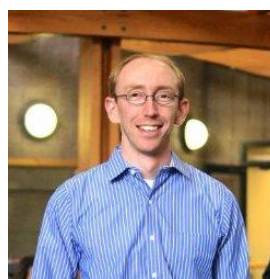
AM: My research at the Brigham and Women's Hospital and Harvard Medical School in Dr. Czeisler and Dr. Klerman's laboratory is interested in understanding the physiology of the internal circadian clock and identifying contributing mechanisms by which circadian misalignment and insufficient sleep leads to adverse health and performance outcomes in humans. As the demands

of modern society force many work operations into the late night when the intrinsic circadian timing system is promoting sleep, this misalignment increases the risk for adverse metabolic health, accidents and injury, and sleep disruption. My work is aimed at understanding the mechanisms behind these increased risks and applying the knowledge gained through field and laboratory experiments to improve public health and safety. Currently, my research is focused on understanding the influence of social networks on inadequate sleep and circadian misalignment in a college aged populations and how chronic sleep restriction impairs performance and metabolism.



Dr. Klerman's Analytic Modeling Unit, Harvard Medical School Division of Sleep Medicine

Modeling of Circadian Signaling



Daniel DeWoskin

SRBR: Tell me about your family.

DD: I grew up in Poway, CA, a suburb of San Diego. I have an older brother and younger sister, both of whom still live in southern California and are now married and each have sons.

SRBR: What are your hobbies?

DD: I like to play sports (basketball, squash, soccer), play music (guitar and drums), learn new languages, and travel. I am fairly fluent in Spanish and Mandarin Chinese and have learned little bits of several other languages, which I always really enjoy speaking with native speakers.

SRBR: Do you have any pets?

DD: I have a 4 year old cat named Blueberry.

SRBR: What is your favorite book?

DD: Ender's Game by Orson Scott Card.

SRBR: What kind of music do you like?

DD: I listen to all sorts of things including music from all over the world. As far as English music goes, I mostly like indie rock and 90s rock. Some of my favorite bands are The Airborne Toxic Event, Stone Temple Pilots, Pearl Jam, Radiohead, Foo Fighters, and Incubus. I also enjoy some jazz and classical music.

SRBR: How did you get interested in Chronobiology?

DD: I first got interested in Chronobiology when I began talking with my future PhD advisor Danny Forger at the University of Michigan. I think I really became fascinated when I learned that the SCN was an autonomous clock and would continue to keep time even if it was removed from the rest of the brain. I took a class from Danny and got interested enough that I started to read the chronobiology literature. At the end of the semester, I went to my first SRBR and really got hooked. Meeting all of the people in the field whose papers I had been reading, hearing them speak, and being able to talk to them directly about their research got me really excited to start my own research in Chronobiology.

SRBR: Tell me about your research.

DD: My research focuses on building and analyzing detailed mathematical models of biological tissues to understand how intercellular signaling regulates biological rhythms in networks of cells. Rhythms play an important role in all aspects of human life, from circadian timing, to the regular contractions of cardiac tissue, to cell growth and development.

While much is known about the activities of single cells, the overall processes at the tissue level, and how the actions of networks of cells are coordinated is largely still an open question. My current work uses the mammalian circadian clock, driven by the roughly 20,000 neurons of the SCN, as a model system. Individual SCN neurons generate endogenous rhythms in the production and degradation of core clock proteins as well as in their electrical activities, but their rhythms are weak and noisy, with variable periods. The coupled SCN network, however, has precise, robust and entrainable rhythms. The central question of my research then is how does signaling between cells allow for increased robustness of rhythms while also allowing for the encoding of different entraining signals? Furthermore, intercellular signaling in the SCN is complex, involving a variety of slower-acting paracrine as well as faster-acting synaptic signals. Coupling between cells, therefore, depends on several factors, separated across disparate timescales, and much is still not yet understood about how they are integrated. To investigate these questions, I use a combination of detailed mathematical modeling, new computational methods including parallelization on graphics processing units (GPUs), and laboratory experiments.

SRBR Website Update

An "In the News" tab has been added to the homepage of the SRBR website (www.srbr.org). This page is intended to highlight Chronobiology in the National news. If you have been interviewed for a widely broadcasted story in your country, contact info@srbr.org and we will publicize your story on the website.

Looking for a Job?

A number of jobs are posted on the SRBR website (www.srbr.org). Below is a list of positions recently posted on the website. Please see the website for details.

Postdoctoral Scholar, Washington University, St.

Louis, MO, USA

Assistant Professor, Computational or Mathematical Biology, University of Tennessee, Knoxville, TN, USA

Assistant Professor, Biological Psychology, University of Tennessee, Knoxville, TN

Assistant Professor, Molecular/Biochemical Neuroscience, University of Tennessee, Knoxville, TN, USA

Postdoctoral Fellow in Systems Neurobiology, University of Michigan, Ann Arbor, MI, USA

Assistant Professor, Cognitive Neuroscience, Hope College, Holland, MI, USA

Assistant Professor, Neuroscience
Washington University, St. Louis, MO, USA

Postdoctoral Fellowship, Sleep and Circadian Rhythmicity, Harvard Medical School, Boston, MA, USA

Postdoctoral Position, Biological Rhythms research Lab, Behavioral Sciences Department, Rush University Medical Center, Chicago, IL, USA

Assistant Professor of Biological Sciences, Vanderbilt University, Nashville, TN, USA

Meetings of Interest

EMBO | EMBL Symposium- Biological Oscillators: Design, Mechanism, Function

Register now for the upcoming symposium, being held 12 – 14 November 2015 in Heidelberg, Germany!

(<http://www.embo-embl-symposia.org/symposia/2015/EES15-09/index.html>)

Organised by Alexander Aulehla (EMBL Heidelberg), Michael Elowitz (Caltech), and Ueli Schibler

(University of Geneva), the symposium will bring together world-leading experts in all aspects of oscillations in biology, including embryonic oscillators, circadian clocks, genetic fluctuations, imaging approaches, mathematical modelling and synchronisation. Don't miss out on this exciting platform for interdisciplinary discussions and a chance to make new multi-disciplinary collaborations.

Recently Funded Grants

The information was gathered by searching publicly available databases (for the period from May 2015 to October 2015). Thanks to Samer Hattar, Mary Harrington, Marina Antoch, and Megan Hastings Hagenauer for putting this segment together. The chair of this committee, Samer Hattar would also like to make the following recommendation regarding grant submissions to the NIH: MNG (Molecular Neurogenetics) is a great study section that reviews sleep and circadian rhythms for both vertebrates and invertebrates. As long as you are studying neural tissues and using genetic techniques you should think of this study section. It is very collegial and diverse and therefore your grant will be reviewed fairly and comprehensively.

NIH

R01

PI: BENOWITZ, NEAL L
UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Title: CLINICAL PHARMACOLOGY OF ELECTRONIC CIGARETTES
Agency/PO: NIDA / WALTON, KEVIN
Review Cmte: Special Emphasis Panel (ZRG1-AARR-J (56))

PI: BERKOWITZ, DAN E
JOHNS HOPKINS UNIVERSITY
Title: NON-VISUAL OPSINS & VASOREGULATION: IMPLICATIONS FOR VASCULAR THERAPY
Agency/PO: NHLBI / OH, YOUNGSUK
Review Cmte: Hypertension and Microcirculation

Study Section (HM)

PI: BUYSSE, DANIEL J.
UNIVERSITY OF PITTSBURGH AT PITTSBURGH
Title: SLEEP; CIRCADIAN RHYTHMS; AND
CARDIOMETABOLIC RISK IN RETIRED SHIFT
WORKERS
Agency/PO: NIA / MACKIEWICZ, MIROSLAW
Review Cmte: Special Emphasis Panel (ZRG1-BBBP-V
(03))

PI: DE LA IGLESIA, HORACIO O
UNIVERSITY OF WASHINGTON
Title: ROLE OF GABA ON CIRCADIAN AND
HOMEOSTATIC REGULATION OF SLEEP
Agency/PO: NINDS / HE, JANET
Review Cmte: Neuroendocrinology,
Neuroimmunology, Rhythms and Sleep Study
Section (NNRS)

PI: EVANS, JENNIFER ANNE
MARQUETTE UNIVERSITY
Title: INHIBITORY FEEDBACK MECHANISMS THAT
COUPLE CIRCADIAN CLOCK NEURONS IN MAMMALS
Agency/PO: NINDS / HE, JANET
Review Cmte: Neuroendocrinology,
Neuroimmunology, Rhythms and Sleep Study
Section (NNRS)

PI: FIGUEIRO, MARIANA
RENSSELAER POLYTECHNIC INSTITUTE
Title: LIGHTING INTERVENTIONS TO REDUCE
CIRCADIAN DISRUPTION IN ROTATING SHIFT
WORKERS
Agency/PO: NIOSH / LIOCE, MARIA
Review Cmte: Safety and Occupational Health Study
Section (SOH)

PI: GRIFFIN, PATRICK ROBERT
SCRIPPS FLORIDA
Title: DEVELOPMENT OF RORBETA-SELECTIVE
MODULATORS AS IN VIVO PROBES
Agency/PO: NIMH / DRISCOLL, JAMIE
Review Cmte: Special Emphasis Panel (ZRG1-MDCN-
C (58))

PI: HERZOG, ERIK WASHINGTON UNIVERSITY
Title: CRCNS: THE BALANCE BETWEEN ROBUSTNESS

AND SENSITIVITY IN CIRCADIAN SYNCHRONY
Agency/PO: NINDS / HE, JANET
Review Cmte: Special Emphasis Panel (ZRG1-IFCN-B

PI: HU, KUN
BRIGHAM AND WOMEN'S HOSPITAL
Title: NEUROPATHOLOGY FOR DISRUPTED
MULTISCALE ACTIVITY CONTROL IN ALZHEIMER'S
DISEASE
Agency/PO: NIA / MACKIEWICZ, MIROSLAW
Review Cmte: Neuroendocrinology,
Neuroimmunology, Rhythms and Sleep Study
Section (NNRS)

PI: KOH, KYUNGHEE
THOMAS JEFFERSON UNIVERSITY
Title: MOLECULAR AND NEURAL MECHANISMS OF
SLEEP REGULATION BY TARANIS
Agency/PO: NINDS / HE, JANET
Review Cmte: Neurodifferentiation, Plasticity, and
Regeneration Study Section (NDPR)

PI: LAKKARAJU, APARNA
UNIVERSITY OF WISCONSIN-MADISON
Title: MECHANISMS OF CELLULAR CLEARANCE IN
THE RETINAL PIGMENT EPITHELIUM
Agency/PO: NEI / NEUHOLD, LISA
Review Cmte: Special Emphasis Panel (BVS)

PI: LEMERY-CHALFANT, KATHRYN
ARIZONA STATE UNIVERSITY-TEMPE CAMPUS
Title: SOCIAL AND GENETIC CONTRIBUTIONS TO
CHILDRENS SLEEP; HEALTH AND FUNCTIONING
Agency/PO: NICHD / HAVERKOS, LYNNE
Review Cmte: Psychosocial Development, Risk and
Prevention Study Section (PDRP)

PI: MCCLUNG, COLLEEN A
UNIVERSITY OF PITTSBURGH AT PITTSBURGH
Title: ROLE OF NPAS2 IN THE NUCLEUS ACCUMBENS
IN DRUG ADDICTION
Agency/PO: NIDA / SATTERLEE, JOHN S
Review Cmte: Molecular Neuropharmacology and
Signaling Study Section (MNPS)

PI: MCMAHON, DOUGLAS G
VANDERBILT UNIVERSITY
Title: NEUROBIOLOGY OF THE CIRCADIAN CLOCK
Agency/PO: NIGMS / SESMA, MICHAEL A.
Review Cmte: Neuroendocrinology,
Neuroimmunology, Rhythms and Sleep Study
Section (NNRS)

PI: NELSON, RANDY J
OHIO STATE UNIVERSITY
Title: ADVERSE CONSEQUENCES OF LIGHT AT NIGHT
FOR CEREBRAL ISCHEMIA
Agency/PO: NINDS / KOENIG, JAMES I
Review Cmte: Special Emphasis Panel (ZRG1-BDCN-
K (02))

PI: ROSENBERG, PAUL B.
JOHNS HOPKINS UNIVERSITY
Title: ACTIGRAPHIC ASSESSMENT OF SLEEP QUALITY
IN THE A4 TRIAL
Agency/PO: NIA / RYAN, LAURIE M.
Review Cmte: Special Emphasis Panel (ZRG1-BBBP-V
(55))

PI: RYE, DAVID B
EMORY UNIVERSITY
Title: CHARACTERIZATION OF AN ENDOGENOUS
GABA-ERGIC MECHANISM UNDERLYING
HYPERSONNIA
Agency/PO: NINDS / HE, JANET
Review Cmte: Neuroendocrinology,
Neuroimmunology, Rhythms and Sleep Study
Section (NNRS)

PI: SCHEER, FRANK A
BRIGHAM AND WOMEN'S HOSPITAL
Title: MELATONIN AND RECEPTOR GENE VARIANT:
LINKING CIRCADIAN SYSTEM AND TYPE 2 DIABETES
Agency/PO: NIDDK / TEFF, KAREN L
Review Cmte: Clinical and Integrative Diabetes and
Obesity Study Section (CIDO)

PI: SHEA, STEVEN A
OREGON HEALTH & SCIENCE UNIVERSITY
Title: CIRCADIAN RHYTHMS AND CARDIOVASCULAR
RISK
Agency/PO: NHLBI / STONEY, CATHERINE
Review Cmte: Clinical and Integrative
Cardiovascular Sciences Study Section (CICS)

PI: SPIRA, ADAM PETER
JOHNS HOPKINS UNIVERSITY
Title: POOR SLEEP ALTERED CIRCADIAN RHYTHMS
AND ALZHEIMERS DISEASE
Agency/PO: NIA / MACKIEWICZ, MIROSLAW
Review Cmte: Adult Psychopathology and Disorders
of Aging Study Section (APDA)

PI: TAVERAS, ELSIE M
MASSACHUSETTS GENERAL HOSPITAL
Title: INFANT SLEEP PATTERNS AND ACCELERATED
GROWTH TRAJECTORIES FROM BIRTH TO 24
MONTHS
Agency/PO: NIDDK / EVANS, MARY
Review Cmte: Psychosocial Risk and Disease
Prevention Study Section (PRDP)

PI: TERUEL, MARY N
STANFORD UNIVERSITY
Title: CONTROLLING TISSUE SIZE BY NOISE AND
FEEDBACK
Agency/PO: NIDDK / SECHI, SALVATORE
Review Cmte: Cellular Aspects of Diabetes and
Obesity Study Section (CADO)

PI: WORRELL, GREGORY A
MAYO CLINIC ROCHESTER
Title: RELIABLE SEIZURE PREDICTION USING
PHYSIOLOGICAL SIGNALS AND MACHINE LEARNING
Agency/PO: NINDS / STEWART, RANDALL R
Review Cmte: Acute Neural Injury and Epilepsy
Study Section (ANIE)

PI: BIRMAHER, BORIS
UNIVERSITY OF PITTSBURGH AT PITTSBURGH
Title: CHILDREN OF BIPOLAR PARENTS: A HIGH RISK
FOLLOW-UP STUDY
Agency/PO: NIMH / AVENEVOLI, SHELLI A
Review Cmte:

PI: HERZOG, ERIK WASHINGTON UNIVERSITY
Title: NEURONAL EXCITABILITY IN THE REGULATION OF CIRCADIAN RHYTHMS
Agency/PO: NIGMS / SESMA, MICHAEL A.
Review Cmte:

R21

PI: AOUIZERAT, BRADLEY E
NEW YORK UNIVERSITY
Title: EPIGENETIC MARKERS OF AGE AND DIURNAL LEVELS OF FATIGUE DURING CHEMOTHERAPY
Agency/PO: NINR / TULLY, LOIS
Review Cmte: Nursing and Related Clinical Sciences Study Section (NRCS)

PI: AZAR, SANDRA THERESA
PENNSYLVANIA STATE UNIVERSITY-UNIV PARK
Title: THE ROLE OF SLEEP AND SOCIAL INFORMATION PROCESSING IN CHILD NEGLECT
Agency/PO: NICHD / ESPOSITO, LAYLA E
Review Cmte: Psychosocial Development, Risk and Prevention Study Section (PDRP)

PI: HARDIN, PAUL E
TEXAS A&M UNIVERSITY
Title: CIRCADIAN CLOCK ACTIVATION AND TISSUE SPECIFICITY IN DROSOPHILA
Agency/PO: NINDS / HE, JANET
Review Cmte: Neurodifferentiation, Plasticity, and Regeneration Study Section (NDPR)

PI: JOHNSON, CARL HIRSCHIE
VANDERBILT UNIVERSITY
Title: NOVEL LUMINESCENCE REPORTERS OF NEURAL ACTIVITY PARTNERED WITH OPTOGENETICS
Agency/PO: NIMH / ASANUMA, CHIIKO
Review Cmte: Special Emphasis Panel (NOIT)

PI: KARATSOREOS, ILIA NICHOLAS WASHINGTON STATE UNIVERSITY
Title: ENVIRONMENTALLY DRIVEN METABOLIC DYSREGULATION AS A MODEL OF ACCELERATED AGING
Agency/PO: NIA / FULDNER, REBECCA A.
Review Cmte: Aging Systems and Geriatrics Study

Section (ASG)

PI: KOH, KYUNGHEE
THOMAS JEFFERSON UNIVERSITY
Title: GENDER-DIMORPHIC REGULATION OF SLEEP
Agency/PO: NINDS / HE, JANET
Review Cmte: Neuroendocrinology, Neuroimmunology, Rhythms and Sleep Study Section (NNRS)

PI: KONOPKA, GENEVIEVE
UT SOUTHWESTERN MEDICAL CENTER
Title: IDENTIFICATION OF HUMAN-RELEVANT CLOCK MOLECULAR SIGNALING PATHWAYS
Agency/PO: NIMH / BECKEL-MITCHENER, ANDREA C
Review Cmte: Molecular Neurogenetics Study Section (MNG)

PI: NELSON, RANDY J
OHIO STATE UNIVERSITY
Title: THE EFFECTS OF CHEMOTHERAPY ON SLEEP
Agency/PO: NCI / O'MARA, ANN M
Review Cmte: Special Emphasis Panel (ZCA1-TCRB-B (M2))

PI: PALLADINO, MICHAEL JOHN
UNIVERSITY OF PITTSBURGH AT PITTSBURGH
Title: DETERMINING THE CELLULAR AND MOLECULAR BASIS OF MITOCHONDRIAL ENCEPHALOMYOPATHY SEIZURES
Agency/PO: NINDS / GWINN, KATRINA
Review Cmte: Special Emphasis Panel (ZRG1-MDCN-M (03))

PI: WANG, LI
UNIVERSITY OF CONNECTICUT STORRS
Title: ALCOHOL; NUCLEAR RECEPTOR SIGNALING; AND CIRCADIAN CLOCKS
Agency/PO: NIAAA / GAO, PETER
Review Cmte: Health Services Research Review Subcommittee (AA)

R03

PI: FEARS, SCOTT C.
UNIVERSITY OF CALIFORNIA LOS ANGELES
Title: INTEGRATION OF FIVE LARGE-SCALE NEUROPSYCHIATRIC GENETIC DATASETS UNDER

THE RDOC FRAMEWORK
Agency/PO: NIMH / MEINECKE, DOUGLAS L.
Review Cmte: Special Emphasis Panel (ZRG1-BDCN-C (55))

PI: KOFUJI, PAULO
UNIVERSITY OF MINNESOTA
Title: CIRCADIAN CLOCK IN GLIAL CELLS: MODULATION OF CIRCADIAN RHYTHMICITY AND BRAIN REDOX HOMEOSTASIS
Agency/PO: NINDS / HE, JANET
Review Cmte: Neurodifferentiation, Plasticity, and Regeneration Study Section (NDPR)

PI: PARMALEE, NANCY L
ALBERT EINSTEIN COLLEGE OF MEDICINE
Title: RETINAL NEUROTOXICITY OF MANGANESE EXPOSURE
Agency/PO: NIEHS / HOLLANDER, JONATHAN
Review Cmte: Special Emphasis Panel (ZRG1-IFCN-C (02))

NSF

PI: Savithramma Dinesh-Kumar
University of California-Davis
Title: EAGER: Uncovering Mechanistic Link Between Autophagy and Circadian Clock in Arabidopsis
Gregory W. Warr, MCB, Cellular Dynamics and Function

PI: Carla Finkielstein
Virginia Polytechnic Institute and State University
Title: A combined mathematical and bioengineering approach to elucidate the contribution of circadian factors in the cellular response to genotoxic stress
Gregory W. Warr, MCB, Cellular Dynamics and Function

PI: Robert Spencer
University of Colorado at Boulder
Title: Glucocorticoid hormone entrainment of prefrontal cortex circadian function
Edda (Floh) Thiels, IOS, MODULATION

PI: Horacio de la Iglesia, University of Washington

Title: Meeting: Chronobiology Workshop, Sao Paulo, Brazil, November 3, 2015
Edda (Floh) Thiels, IOS, MODULATION

PI: Joshua Gendron
Yale University
Dissecting how protein degradation couples the circadian clock to downstream processes
Elsbeth Walker, IOS, Physiolg, Mechansms & Biomechans

PI: Katherine Osteryoung
Michigan State University
Cyanobacterial Cell Division: Mechanisms and Inputs Towards the Decision to Divide
Sarah Wyatt, MCB, Cellular Dynamics and Function

PI: Hua Lu
University of Maryland Baltimore County
Investigate the Molecular Basis of Crosstalk between the Circadian Clock and Innate Immunity in Arabidopsis
Michael L. Mishkind, IOS, SYMBIOSIS DEF & SELF RECOG

PI: Caleb Kemere
William Marsh Rice University
BRAIN: EAGER: Memory Reactivation in Neural Circuits Over Long, Continuous Timescales
Edda (Floh) Thiels, IOS, CROSS-EF ACTIVITIES, MODULATION

PI: John Willis
Duke University
DISSERTATION RESEARCH: Shedding Light on the Complex Relationship Between Circadian Clock Variation and the Trade-off Between Flowering Time and Flower Size
Samuel M. Scheiner, DEB, EVOLUTIONARY GENETICS

PI: Istvan Kiss
Saint Louis University
Chemical Connectomics: Nonlinear Dynamics of Electrochemical Reaction Networks
Colby A. Foss, CHE, Chem Struct, Dynmcs&Mechansms A

PI: Casian Pantea
West Virginia University Research Corporation
Multistationarity and Oscillations in Biochemical
Reaction Networks
Mary Ann Horn, DMS, MATHEMATICAL BIOLOGY

Canadian Institutes of Health Research, Canada

PI: Amir, Shimon –Concordia University
Title: Dopamine in circadian control and behavioral
modulation of clock gene rhythms in mammalian
striatum
Agency/PO: CIHR, Neurosciences, Mental Health
and Addiction
Review Cmte: BSA Behavioral Science – A

PIs: Amir, Shimon –Concordia University,
Sonenberg, Nahum –McGill University
Title: eIF4E-dependent translation and the
mammalian circadian clock
Agency/PO: CIHR, Neurosciences, Mental Health
and Addiction
Review Cmte: NSB Molecular & Cellular
Neurosciences - B

PI: Carrier, Julie - Hôpital du Sacré-Coeur de
Montréal (CIUSSS – NIM)
Title: Mobilizing the healthcare community towards
an integrated approach to improving outcomes of
patients with sleep disorders - Canadian Sleep and
Circadian Network.
Agency/PO: CIHR, Circulatory and Respiratory
Health
Grants Review Cmte: CDP ICRH Community
Development Program

Natural Sciences and Engineering Research Council, Canada

PI: Karpowicz, Phillip – University of Windsor
Title: The Circadian Rhythms of Intestinal Stress: An
analysis of Mechanism and Conservation
Agency/PO: NSERC, Biological Sciences
Grants Review Cmte: Biological Systems and

Functions

PI: Mistlberger, Ralph –Simon Fraser University
Title: Entrainment of circadian rhythms by food:
neurobiological mechanisms
Agency/PO: NSERC, Biological Sciences
Grants Review Cmte: Biological Systems and
Functions

PI: Mongrain, Valérie – Université de Montréal
Title: Investigating the role of Ephrins and Eph
receptors in circadian physiology
Agency/PO: NSERC, Biological Sciences
Grants Review Cmte: Biological Systems and
Functions

PI: Storch, Kai-Florian –McGill University
Title: Characterization of a dopaminergic ultradian
oscillator regulating arousal
Agency/PO: NSERC, Biological Sciences
Grants Review Cmte: Biological Systems and
Functions