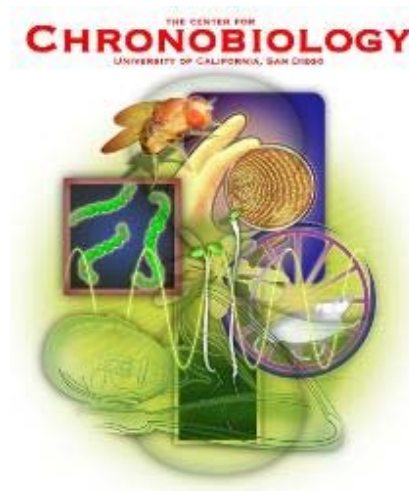

Center for Chronobiology

CCB

Annual Review of the Organized Research Unit
Fiscal Year 2011



The University of California, San Diego
Center for Chronobiology

NARRATIVE

Director's Statement

Director's Statement



During our second year as an ORU, the Center for Chronobiology had immediate goals of increasing the visibility of CCB on campus and around the world as a premier center for chronobiology research and facilitating interactions among members. We met these goals by: hosting local activities and outfitting facilities to engage our members and encourage interaction; expanding the content on an attractive and informative website; and hosting a symposium with top chronobiologist speakers from within CCB and around the world.

Staffing section - We have merged the External Advisory Committee and Executive Committee members into the Advisory Committee section since this report does not have a field for Executive Committee Members. All people included in the staffing section participate and contribute to the Center for Chronobiology.

The Facilities section lists 12,568 square feet for CCB. Most of this space belongs to the Division of Biological Sciences. The actual space allocation for CCB is 551 square feet. This includes two administrative offices and one small conference room.

Goals Met:

- Expanded the membership of the Center for Chronobiology ORU to 32 UCSD faculty members as of June 30, 2011.
- Hosted subgroups of members for research collaboration meetings
- Held monthly meetings of the CCB Executive Committee
- Recruited outstanding external academic and business professionals to serve as member of a CCB External Advisory Committee, which will meet on February 15, 2012.
- Hosted CCB symposia, workshops, and networking events to provide training of the fundamentals of Chronobiology to the science community.
- Coordinated "Clockwatchers" Journal Club to make CCB participants aware of current papers in the area of chronobiology. Clockwatchers meets twice per month, alternating between mammalian and non-mammalian papers.
- Expanded the content of our educational website <http://ccb.ucsd.edu/> with links for students and researchers in the Chronobiology communities that highlight classes, papers, events, organizations, and opportunities for fellowships, training, and grants.
- Recruited a postdoc liaison to the CCB Executive Committee to integrate needs and ideas from CCB postdocs and graduate students.

Major Activities

CCB Symposium: From Cells to Clinic

(<http://ccb.ucsd.edu/ae-pastevents-Symp2011.shtml>)

The Center for Chronobiology (CCB) hosted its 2nd annual chronobiology symposium held on **February 9-11, 2011**. The theme for the symposium is "From Cells to Clinic."

We invited a select, stellar group of chronobiologists from around the country and beyond, and a few local colleagues, to speak at this 2nd annual UCSD Chronobiology Symposium. There was strong participation from our 28 PIs here in the CCB and their research personnel, as well as registrants from other institutions.

The aims of the conference were to:

1. Provide the 149 registered participants with a comprehensive view of modern Chronobiology.
2. Exchange a broad spectrum of ideas and techniques in Chronobiology.
3. Promote interactions among the faculty and lab personnel of the UCSD Chronobiology Center, the invited speakers, and other participants.
4. Further acquaint the speakers, their groups, and other registrants with the depth and breadth of Chronobiology research conducted at UCSD.

UCSD Center for Chronobiology Symposium
"From Cells to the Clinic"
"From Cells to the Clinic"
March 10-12, 2010
 Institute of the Americas, University of California, San Diego

INVITED SPEAKERS
 Horacio de la Iglesia • Frank Doyle • Jay Dunlap • Ralph Greenspan
 Stacey Harmer • Lynn Hasher • Jeff Hasty • Samer Hattar • Erik Herzog
 Steve Kay • Elizabeth Klerman • C. Robertson McClung • Randy Nelson
 Michael Nitabach • Erin O'Shea • Paolo Sassone-Corsi • Phyllis Zee

UCSD Organizers
 Sha Bredy, Susan Golden
 Sonia Ancoli-Israel, Michael Gamman, David Welsh

Center for Chronobiology Symposium website: <http://ccb.ucsd.edu/symposium>

Invited Speakers:

Alec Davidson

Morehouse School of Medicine

Andrew Millar

University of Edinburgh

Charles Allen

Oregon Health & Science University

Chris Colwell

UC Los Angeles

David Berson

Brown University

David Somers

Ohio State University

Deborah Bell-Pedersen

Texas A&M University

Derk-Jan Dijk

University of Surrey

John O'Neill

University of Cambridge

Kenneth Wright

University of Colorado at Boulder

Ronald Evans

Salk Institute & UC San Diego

Sarah Elsea

Virginia Commonwealth University

Satchin Panda

Salk Institute & UC San Diego

Sonia Ancoli-Israel

UC San Diego

Susan Golden

UC San Diego

Terry Sejnowsk

Salk Institute & UC San Diego

Todd Holmes

UC Irvine

There were 149 registered attendees

CCB Fall Workshop on Biological Timing

(<http://ccb.ucsd.edu/ae-pastevents-workshopFA2010.shtml>)

The Center for Chronobiology hosted a Fall Workshop on Biological Timing held on November 8, 2010, at UCSD Faculty Club - Atkinson Pavilion. This workshop featured research presentations by faculty, postdoc, and graduate student members of CCB.

This workshop is tailored for our Postdocs and Grad Students, to give them a platform to talk about their research, hone their public speaking skills, and have the opportunity for faculty and audience members, to freely participate in a questions and answers sessions.

The Center for Chronobiology
Presents a Fall Workshop on
Biological Timing

8:30 am - 5:00 pm, Monday, November 8, 2010
Atkinson Pavilion, UCSD Faculty Club

UCSD FACULTY and POSTDOCTORAL SPEAKERS
John Buchner • Luciano DiTacchio • Sean Drummond
Genia Glickman • Terry Hwa • William Joiner • Katja Lamia
Takako Noguchi • Dmitri Nusinow • Lev Tsimring • Eric Zhang

UCSD Organizers
Susan Golden, Stu Brody, David Welsh,
Seria Anzick-Ivers, Michael Gorman, Sarahin Panda
Center for Chronobiology website: <http://ccb.ucsd.edu/>

Speakers:

William Joiner, UCSD
John Buchner, UCSD
Katja Lamia, The Scripps Research Institute
Terry Hwa, UCSD
Luciano DiTacchio, The Salk Institute for Biological Studies
Genia Glickman, UCSD
Sean Drummond, UCSD
Takako Noguchi, UCSD
Lev Tsimring, UCSD
Dmitri A. Nusinow, UCSD
Eric Zhang, UCSD

There were 104 attendees

CCB Open House

(<http://ccb.ucsd.edu/ae-pastevents-OpenHouse2010.shtml>)

The Center for Chronobiology hosted an Open House on **Tuesday, July 20, 2010**. We were able to show off our new office suite and [conference room](#) with a state-of-the-art Smart Board interactive whiteboard system. We have two administrative offices next to the conference room to provide assistance to CCB members from full-time Administrative Specialist Pattie Magallanez and Business Manager, shared with the BioCircuits Institute, Terry Peters. The event was held in the newly appointed conference Room 2840 in the AP&M building. The turnout was fantastic. Guests were able to try our new smart board which was certainly a hit.

Grants, Fellowships, & Gifts

Submission of Grant and Fellowship Applications

The Center for Chronobiology faculty members submitted a successful proposal to the UCSD Chancellor's Collaboratories Program for Interdisciplinary Scholarships for graduate students. The project is entitled, "Emergent circadian waveforms from multiple component oscillators: computational, biosynthetic, microbial and vertebrate models." Combining microbial, mammalian, biosynthetic and computation approaches, this Collaboratory will undertake a novel examination of how plasticity in the daily shape (i.e., waveform) of circadian clocks derives from the interaction of their constituent parts. Knowledge of such interactions will advance basic science in engineering, ecology and cell biology and benefit society through implications ranging from scheduling of school days to mitigation of cancer risks for shift-workers. Each of the five graduate students was awarded approximately \$15,000.

The Center for Chronobiology submitted DARPA, NIH and NSF proposals as well as several postdoctoral fellowship applications during 2010-2011.

Professor Emeritus Stanley Mills donated \$9,500 to the Center for Chronobiology.

Successful Application to Las Patronas

Las Patronas funded a Real-Time Polymerase Chain Reaction (RT-PCR) machine which will be used by CCB members for cutting-edge research in medical diagnostics and related areas of study (a gift of \$34,310). The equipment was purchased in March 2011.

Grants

Awards

- NIH R01 proposal, \$1,238,750, 4/1/11 – 3/31/15
- DOE Consortium with SD-CAB, \$464,250, 1/1/11 – 12/31/13
- Las Patronas, \$34,310 for shared equipment, March 2011

Pending Proposals

- DARPA and NIH R01 proposals
- 5 NIH and ACS postdoc fellowship proposals

Chancellor's Office Interdisciplinary Collaboratories Project

- 2010 – 2012
- Supports 5 CCB graduate students

Industrial & gift support for symposia and CCB

- \$4,500 from Johnson & Johnson and Bay Capital Fdn.
- \$10,950 – gifts in support of CCB

Committees & Meetings

“Clockwatchers” Journal Club



Clockwatchers Journal Club

(<http://ccb.ucsd.edu/activitiesevents.shtml>)

The “Clockwatchers” Journal Club was founded and organized by David Welsh, and is now coordinated through the CCB. The Clockwatchers group has met monthly since 2001, focusing on papers of interest in mammalian circadian rhythms. With the establishment of CCB, Clockwatchers was expanded in fall 2009 to meet twice per month, alternating between mammalian and non-mammalian papers to meet the needs of the full spectrum of the CCB members. The Clockwatchers group meets every 1st and 3rd Thursday during the academic year.

Executive Committee



Committee Members: L to R Satchin Panda, David Welsh, Sonia Ancoli-Israel, Susan Golden, Michael Gorman, Stu Brody, and Michael McCarthy (not pictured)

Dates of Executive Committee Meetings

July 20, 2010, August 13, 2010, September 21, 2010, October 22, 2010, November 19, 2010
January 21, 2011, March 8, 2011, April 21, 2011, May 20, 2011, June 17, 2011



Joseph F. Amaral

Vice President of Corporate Office of Science & Technology Division of Johnson & Johnson Services, Inc., and Professor of Surgery at Brown University and Director of the Division of Minimally Invasive Surgery

Gene Block

Chancellor of UCLA and Professor of Psychiatry and Biobehavioral Sciences in the David Geffen School of Medicine and in Physiological Science in the College of Letters and Science, UCLA

Alexander Hoffmann

Professor of Chemistry and Biochemistry and Co-director of the Bioinformatics and Systems Biology Graduate Program, UC San Diego

Joseph Takahashi

Lloyd B. Sands Distinguished Chair in Neuroscience, University of Texas Southwestern Medical Center

Michael Young

Vice President for Academic Affairs and Richard and Jeanne Fisher Professor in the Laboratory of Genetics, The Rockefeller University

Phyllis Zee

Associate Director, Center for Sleep and Circadian Biology and Professor, Northwestern University Institute for Neuroscience

Courses



Circadian Rhythms – Biological Clocks Course BIMM116-PSYC133

- Upper-level 4 credit-hour undergraduate course
- Taught jointly between the Division of Biological Sciences (BIMM 116) and the Department of Psychology (PSYC 133)
- Explores the fundamental properties and mechanisms of the daily biological clock in humans, other animals, plants, and microbes
- Graduate TAs from CCB labs in Biological Sciences, Philosophy, Psychology, and Psychiatry
- Fall course of 2010 had an enrollment of 300 students

Future Goals

CCB Goals for coming year:

- Facilitate submissions to federal agencies for collaborative research (such as program project, multi-investigator research, and training grants)
- Expand development efforts
- Develop summer chronobiology tutorial course as pilot for international summer course
- Host 3rd annual international symposium
- Plan workshop featuring a high-profile speaker in the Chronobiology field, as well as UCSD postdoc and graduate student speakers, who can share their research and hone their speaking skills
- Hold our first CCB External Advisory Board meeting on February 15, 2012, with our newly appointed board members.

Awards, Honors, Committee Service

STAFFING

ADVISORY COMMITTEE

(13)

First Name	Last Name	Home Department	Appt. Date	End Date
Joseph	Amaral	Corporate Office of Science & Technology, Johnson & Johnson	05/01/2011	
Sonia	Ancoli-Israel	PSYCHIATRY	07/01/2009	
Gene	Block	UCLA, Psychiatry and Biobehavioral Sciences	05/01/2011	
Stuart	Brody	DIV BIOLOGICAL	07/01/2009	
Susan	Golden	DIV BIOLOGICAL	07/01/2009	
Michael	Gorman	PSYCHOLOGY	07/01/2009	
Alexander	Hoffmann	CHEMISTRY	05/01/2011	
Michael	McCarthy	Department of Psychiatry	05/01/2011	
Satchidananda	Panda	DIV BIOLOGICAL	07/01/2009	
Joseph	Takahashi	Univ. Texas Southwestern, Neurosciences	05/01/2011	
David	Welsh	PSYCHIATRY	07/01/2009	
Michael	Young	Rockefeller University, Academic Affairs and Genetics	05/01/2011	
Phyllis	Zee	Northwestern Univ., Neurobiology	05/01/2011	

DIRECTORS

(2)

First Name	Last Name	Home Department	Appt. Date	Appt. End
Susan	Golden	Biological Sciences	7/1/2010	6/30/2014
David	Welsh	Psychiatry	7/1/2010	6/30/2014

AFFILIATED FACULTY

(37)

First Name	Last Name	Home Department	Affiliation Date	End Date
Joseph	Amaral	Corporate Office of Science & Technology, Johnson & Johnson	05/01/2011	
Sonia	Ancoli-Israel	PSYCHIATRY	07/01/2009	
William	Bechtel	PHILOSOPHY	07/01/2009	

Gene	Block	UCLA, Physiological Science	05/01/2011
Stuart	Brody	DIV BIOLOGICAL	07/01/2009
Joanne	Chory	DIV BIOLOGICAL	07/01/2009
Sean	Drummond	PSYCHIATRY	07/01/2009
Jeffrey	Elliott	PSYCHIATRY	07/01/2009
Ronald	Evans	DIV BIOLOGICAL	07/01/2009
Susan	Golden	DIV BIOLOGICAL	07/01/2009
Michael	Gorman	PSYCHOLOGY	07/01/2009
Ralph	Greenspan	KAVLI INST BRAI	07/01/2009
Jeff	Hasty	DIV BIOLOGICAL	07/01/2009
Alexander	Hoffmann	CHEMISTRY	05/01/2011
Andrew	Huberman	NEUROBIOLOGY	01/01/2011
Terence	Hwa	PHYSICS	07/01/2009
William	Joiner	PHARMACOLOGY	07/01/2009
Alexander	Kauffman	REPRO MED	07/01/2009
Steve	Kay	DIV BIOLOGICAL	07/01/2009
Daniel	Kripke	PSYCHIATRY	07/01/2009
Katja	Lamia	TSRI, Chemical Physiology and Molecular Medicine	09/01/2010
Andy	LiWang	UC Merced, Quantitative and Systems Biology	09/01/2010
Michael	McCarthy	Department of Psychiatry	05/01/2011
Sara	Mednick	PSYCHIATRY	07/01/2009
Pamela	Mellon	REPRO MED	07/01/2009
Marc	Montminy	DIV BIOLOGICAL	07/01/2009
Caroline	Nievergelt	PSYCHIATRY	05/01/2011
Satchidananda Panda		DIV BIOLOGICAL	07/01/2009
Barbara	Parry	PSYCHIATRY	07/01/2009
Timothy	Rickard	PSYCHOLOGY	07/01/2009
Nikolai	Rulkov	BioCircuits Institute	11/01/2010
Terry	Sejnowski	DIV BIOLOGICAL	09/01/2010
Joseph	Takahashi	Univ. Texas Southwestern, Neurosciences	05/01/2011
Lev	Tsimring	BioCircuits Institute	07/01/2010
David	Welsh	PSYCHIATRY	07/01/2009
Michael	Young	Rockefeller University, Academic Affairs and Genetics	05/01/2011
Phyllis	Zee	Northwestern Univ., Neurobiology	05/01/2011

RESEARCHERS

(15)

First Name	Last Name	Payroll Title	Appt. Date	End Date
Adele	Abrahamsen	Project Scientist (Non-Business/Engineering)	07/01/2009	
Manuel	Campos	Assistant Research Scientist (Non-Business/Engineering)	04/27/2011	
Kellie	Church	Assistant Project Scientist (Non-Business/Engineering)	06/30/2011	
Takeo	Katsuki	Assistant Project Scientist (Non-Business/Engineering)	07/01/2009	
Sheena	Keding	Research Scientist (Non-Business/Engineering)	07/01/2009	
Hiep	Le	Assistant Research Scientist (Non-Business/Engineering)	07/01/2009	
Lianqi	Liu	Associate Project Scientist (Non-Business/Engineering)	07/01/2009	
Jeanne	Maglione	Assistant Specialist	07/01/2009	
Elizabeth	McDevitt	Research Scientist (Non-Business/Engineering)	04/27/2011	
Charles	Meliska	Associate Project Scientist (Non-Business/Engineering)	07/01/2009	
Loki	Natarajan	Associate Specialist	07/01/2009	
Takako	Noguchi	Assistant Project Scientist (Non-Business/Engineering)	07/01/2009	
Stephanie	Papp	Research Scientist (Non-Business/Engineering)	09/01/2010	
Jenee	Wagner	Research Scientist (Non-Business/Engineering)	07/01/2009	
Susanna	Wang	Assistant Specialist	07/01/2009	

POST DOCS

(40)

First Name	Last Name	Payroll Title	Appt. Date	End Date
Dawn	Adin	Postdoctoral Scholar- Employee	07/01/2009	09/01/2011
Kenyon	Applebee	Postdoctoral Scholar-Fellow	06/30/2011	
Bridget	Baumgartner	Postdoctoral Scholar- Employee	07/01/2009	
Stephen	Beesley	Postdoctoral Scholar- Employee	04/12/2011	

Katia	Bonaldi	Postdoctoral Scholar-Employee	07/05/2011	
Juliana	Bordowitz	Postdoctoral Scholar-Fellow	07/01/2009	
Melissa	Brayman	Postdoctoral Scholar-Employee	06/30/2011	
John	Buchner	Postdoctoral Scholar-Employee	07/01/2009	09/01/2011
Marcela	Carvalho-Pinto	Postdoctoral Scholar-Employee	07/01/2009	
Brenda	Chow	Postdoctoral Scholar-Employee	04/27/2011	
Susan	Cohen	Postdoctoral Scholar-Fellow	07/01/2009	
Barrett	Deris	Postdoctoral Scholar-Employee	07/01/2009	
Luciano	DiTacchio	Postdoctoral Scholar-Employee	07/01/2009	
Colleen	Doherty	Postdoctoral Scholar-Employee	07/01/2009	
Erin	Dunn	Postdoctoral Scholar-Employee	06/29/2011	
Joshua	Gendron	Postdoctoral Scholar-Employee	07/01/2009	
Christine	Glidewell-Kenney	Postdoctoral Scholar-Employee	06/30/2011	
Megumi	Hatori	Postdoctoral Scholar-Employee	07/01/2009	
Anne	Helfer	Postdoctoral Scholar-Employee	07/01/2009	
Tsuyoshi	Hirota	Postdoctoral Scholar-Employee	07/01/2009	
Hanne	Hoffmann	Postdoctoral Scholar-Employee	06/30/2011	
Sabine	Jordan	Postdoctoral Scholar-Employee	06/29/2011	
Minsu	Kim	Postdoctoral Scholar-Employee	07/01/2009	
Yong Ick	Kim	Postdoctoral Scholar-Fellow	07/01/2009	
Elsebeth	Kolmos	Postdoctoral Scholar-Employee	07/01/2009	
William	Mather	Postdoctoral Scholar-Employee	07/01/2009	
Faruck	Morcos	Postdoctoral Scholar-Employee	07/01/2010	
Ludovic	Mure	Postdoctoral Scholar-Employee	03/29/2011	
Dawn	Nagel	Postdoctoral Scholar-Employee	07/01/2009	

Dmitri A	Nusinow	Postdoctoral Scholar-Employee	07/01/2009
Henry	Orff	Postdoctoral Scholar-Fellow	07/01/2009
Mariko	Sawa	Postdoctoral Scholar-Employee	07/01/2009
Glen	Seidner	Postdoctoral Scholar-Employee	02/09/2011
Sheila	Semaan	Postdoctoral Scholar-Employee	07/01/2009
Ryan	Shultzaberger	Postdoctoral Scholar-Employee	07/01/2009
Ryan	Simkovsky	Postdoctoral Scholar-Employee	04/26/2011
Tim	Sonntag	Postdoctoral Scholar-Employee	07/05/2011
Meilin	Wu	Postdoctoral Scholar-Employee	07/01/2009
Huimin	Xie	Postdoctoral Scholar-Employee	06/30/2011
Amir	Zarrinpar	Postdoctoral Scholar-Employee	04/27/2011

STAFF

(17)

First Name	Last Name	Payroll Title	Start Date	End Date
Anna	Bree	Staff Research Assoc II	07/01/2009	09/01/2011
Sangeeta	Dhamija	Staff Research Assoc II	07/01/2009	
Elizabeth	Hamilton	Staff Research Assoc II	07/01/2009	
Stacey	Huynh	Assistant III	04/26/2011	
Joshua	Kim	Staff Research Assoc II	06/30/2011	
Jonathan	Lam	Assistant III	04/26/2011	
Sunamita	Leming	Staff Research Assoc II	06/30/2011	
Ana M.	Lopez	Staff Research Assoc II	07/01/2009	
Patricia	Magallanez	Admin. Specialist	01/20/2010	99/99/9999
Luis Fernando	Martinez	Staff Research Assoc II	07/01/2009	
Jason	Meadows	Staff Research Assoc II	06/30/2011	
Natalia	Navarro Moreno	Staff Research Assoc II	07/05/2011	
Terry	Peters	Management Services Officer II	09/02/2009	99/99/9999
Lily	Quiroz	Staff Research Assoc I	07/01/2009	
Diane	Sorenson	Staff Research Assoc I	07/01/2009	
Blake	Trial	Staff Research Assoc I	07/01/2009	

Connie Wang Staff Research Assoc II 07/01/2009

STUDENTS

(42)

First Name	Last Name	Home Department	Status	Begin Date	End Date
Ann	Atwood	Div Biological Sciences	Graduate Student Volunteer	07/01/2009	
Daniel	Burnston	Philosophy	Graduate Student Volunteer	07/29/2011	
Jason	Chen	Div Biological Sciences	Undergraduate	06/29/2011	
Daniel	Clark	Reproductive Medicine	Graduate Student Volunteer	07/01/2009	
Natalie	Cookson	BioCircuits Institute	Graduate Student Volunteer	07/01/2009	
Anthony	Daulo	Div Biological Sciences	Undergraduate	07/01/2009	
Keval	Desai	Div Biological Sciences	Undergraduate	04/26/2011	
Spencer	Diamond	Div Biological Sciences	Graduate Student Volunteer	04/26/2011	
Malcom	Fernandes	Psychiatry	Undergraduate	06/29/2011	
Mike	Ferry	BioCircuits Institute	Graduate Student Volunteer	07/01/2009	
Shubhroz	Gill	Salk Institute	Graduate Student Volunteer	07/01/2009	
Paula	Gitis	Psychiatry	Undergraduate	01/27/2011	
Gena	Glickman	Psychology	Graduate Student Volunteer	07/01/2009	
Elizabeth	Harrison	Psychology	Graduate Student Volunteer	07/01/2009	
Michelle	Hoang	Div Biological Sciences	Undergraduate	04/26/2011	
Polly	Huang	Reproductive Medicine	Graduate Student Volunteer	06/30/2011	
Darae	Jun	Div Biological Sciences	Undergraduate	04/26/2011	
Shannon	Kang	Div Biological Sciences	Undergraduate	06/29/2011	

Azim	Khan	Psychology & Reproductive Medicine	Graduate Student Volunteer	07/01/2009
David	Kochman	Pharmacology	Graduate Student Volunteer	06/29/2011
Martin	Kolnik	Bioengineering	Graduate Student Volunteer	07/01/2009
Stephen Joyce	Leung Luke	Div Biological Sciences Bioengineering	Undergraduate Graduate Student Volunteer	04/26/2011 07/01/2009
Ben	McKenna	Psychiatry	Graduate Student Volunteer	07/01/2009
Octavio	Mondragon	Bioengineering	Graduate Student Volunteer	07/01/2009
Ariel	Neikrug	Psychiatry	Graduate Student Volunteer	07/01/2009
Jeff	Nelson	Div Biological Sciences	Graduate Student Volunteer	07/01/2009
Matthew	Poling	Reproductive Medicine	Graduate Student Volunteer	07/01/2009
Pagkapol	Pongsawakul	Div Biological Sciences	Graduate Student Volunteer	07/01/2009
Arthur	Prindle	Bioengineering	Graduate Student Volunteer	07/01/2009
Evan	Raiewski	Psychology	Graduate Student Volunteer	07/01/2009
Ivan	Razinkov	Bioengineering	Graduate Student Volunteer	07/01/2009
Jim	Robinson	Pharmacology	Graduate Student Volunteer	06/29/2011
Jangir Benjamin	Selimkhanov Sheredos	Bioengineering Philosophy	Undergraduate Graduate Student Volunteer	07/01/2009 07/01/2009

Susan	Sinning	Psychology	Graduate Student Volunteer	07/01/2009
Karen Brooks	Tang Taylor	Div Biological Sciences Bioengineering	Undergraduate Graduate Student Volunteer	06/29/2011 07/01/2009
Andrewston Minh Emily	Ting Tong Witham	Div Biological Sciences Kavli Inst for Brain & Mind Reproductive Medicine	Undergraduate Undergraduate Graduate Student Volunteer	06/29/2011 07/01/2009 06/30/2011
Simone	Yassear	Div Biological Sciences	Undergraduate	06/29/2011

VISITORS

(3)

First Name	Last Name	Home Institution	Begin Date	End Date
Yohko	Kitayama	Nagoya University, Japan	10/01/2010	11/30/2010
Michael	Rae	University of Houston	01/01/2011	06/01/2011
Suzette	Ruiz	Volunteer with Dept of Psychiatry, UCSD	06/29/2011	

ORGANIZATION CHART

UC San Diego Center for Chronobiology Organization Chart



PPS Head Count

2011

Career Staff	2
Graduate Students	2
Other - In Residence	0
Other Academics	0
Postdoc Fellow/Postdoc Grad Res	5
Regular Faculty	0
Researchers	0
TA/Reader/Tutor	0
Temp Faculty	0
Temporary Staff	1
Total	10

FACILITIES

	2011
Academic Office	755
Administrative Office	281
Conference Room	270
Research Lab / Studio Service	454
Research Laboratory / Studio	7,657
Research Office	2,170
Research Office Service	195
Study Room	786
Totals (assignable sq. ft.)	12,568

INCOME

Balance Forward

	2011	Total
418833	16,514	16,514
—Oru-Center For Chronogbiology		
Total	16,514	\$16,514

Permanent Budget

	2011	Total
418833	85,000	85,000
—Oru-Center For Chronogbiology		

Total	85,000	\$85,000
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Transfers

	2011	Total
418833	53,000	53,000
Total	53,000	\$53,000

Contract and Grant Allocations - Unit Code: 432

Sponsor Category Totals - Unit Code: 432

	Transactions	Direct	Indirect	Total
Federal	3	200,000	109,000	309,000
Interest Group	0	0	0	0
UC Campus	0	0	0	0
Higher Education	0	0	0	0
Foundation	0	0	0	0
Other Government	0	0	0	0
Business	0	0	0	0
Other Charitable	0	0	0	0
State	0	0	0	0
DOE Labs	0	0	0	0
Totals	3	200,000	109,000	\$ 309,000

User Reported Income

	418833	Total
DOE grant-fund 28475A	154,500	154,500
Fellowships	75,000	75,000
Gifts	52,810	52,810
Service Agreements	0	0
Totals	282,310	\$ 282,310

EXPENSE

Expense Summary

	418833	Total
Academic Salaries	68,608	68,608
Benefits	61,894	61,894
Equipment	34,256	34,256
General Assistance	6,525	6,525
Indirect Costs	63,707	63,707
Recharge Income	0	0
Staff Salaries	88,196	88,196
Supplies	65,084	65,084
Transfers In	2,359	2,359
Travel	30,239	30,239
Totals	420,868	\$ 420,868

Expense By Program

	2011	Total
Core Account Research	420,868	420,868
Totals	420,868	\$420,868

EVENTS

SEMINARS (15)

Title	Date	Presenter	Location
Disruption of the clock components CLOCK and BMAL1 leads to hypoinsulinaemia and diabetes	2010-10-07	Katja Lamia	AP&M, 2840
Widespread Changes in Synaptic Markers as a Function of Sleep and Wakefulness in <i>Drosophila</i>	2010-10-21	Bill Joiner	AP&M, 2840
Enhanced phase and period control of mammalian circadian rhythms with manipulations of rhythm waveform	2010-11-04	Jeff Elliott	AP&M, 2840
Dual KaiC-based oscillations constitute the circadian system of cyanobacteria	2010-11-18	Yohko Kitayama	AP&M, 2840
1. Reproductive biology of female Bmal1 null mice. 2. Impaired Steroidogenesis and Implantation Failure in Bmal1 ^{-/-} Mice.	2010-12-02	Dan Clark	AP&M, 2840
Oscillations in supercoiling drive circadian gene expression in cyanobacteria	2010-12-16	John Buchner	AP&M, 2840
Perinatal photoperiod imprints the circadian clock	2011-01-06	Michael Gorman	AP&M, 2840
Three major output pathways from the KaiABC-based oscillator cooperate to generate robust circadian kaiBC expression in cyanobacteria	2011-01-20	Ralph Greenspan	AP&M, 2840
Noninvasive method for assessing the human circadian clock using hair follicle cells	2011-02-03	Yhew Pongsawakul	AP&M, 2840
Temperature as a universal resetting cue for mammalian circadian oscillators	2011-03-03	Takako Noguchi	AP&M, 2840
Photoadaptation in <i>Neurospora</i> by Competitive Interaction of Activating and Inhibitory LOV Domains	2011-03-17	Dmitri A. Nusinow	AP&M, 2840
Delay in Feedback Repression by Cryptochrome 1 Is Required for Circadian Clock Function	2011-04-07	Luciano DiTacchio	AP&M, 2840
New ideas from an old "timer"	2011-04-21	Stu Brody	AP&M, 2840

Light-Driven Changes in Energy Metabolism Directly Entrain the Cyanobacterial Circadian Oscillator	2011-05-12	Julie Bordowitz
Specific Role of VTA Dopamine Neuronal Firing Rates and Morphology in the Reversal of Anxiety-Related, but not Depression-Related Behavior in the Clock?19 Mouse Model of Mania	2011-05-19	Mandy Sinning

LECTURES (0)

Title	Date	Presenter	Location
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CONFERENCES (2)

Title	Date	Presenter	Location
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CCB Fall Workshop on Biological Timing	2010-11-08	William Joiner-UCSD, John Buchner-UCSD, Katja Lamia-SRI, Terry Hwa-UCSD, Luciano DiTacchio-Salk, Gena Glickman-UCSD, Sean Drummond-UCSD, Takako Noguchi-UCSD, Lev Tsimring-UCSD, Dmitri Nusinow-UCSD, an	UCSD Faculty Club - Atkinson Pavilion
CCB Symposium: From Cells to Clinic February 9-11, 2011	2011-02-09	Deborah Bell-Pedersen-Texas A&M Univ., Susan Golden-UCSD, Andrew Millar-Univ. of Edinburgh, Satchin Panda-Salk, Chris Colwell-UCLA, Alec Davidson-Morehouse SOM, John O'Neill-Univ. of Cambridge, David	Institute of Americas, UCSD

OTHER (1)

Title	Date	Presenter	Location
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CCB Open House	2010-07-20	Hosted by: Susan Golden and Stu Brody	AP&M, 2840
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