

ORU Annual Report
Final Template for FY14/15

Center for Circadian Biology (formerly Center for Chronobiology)
Year of Establishment: 2009
Location: UC San Diego
Report Period: FY 2014/15

ORU's Major Activities

Progress towards previous goals:

1. Increasing diversity in CCB activities, both through invitations to future events that better represent different groups, and targeted outreach. Increased diversity of speaker invitations for following year's events
2. Submitting MRPI and NSF Science and Technology Center proposals using the ideas gained from deliberations with UC partners. Proposals submitted
3. Hosting successful workshops and symposia. Hosted fall trainee/faculty workshop, winter symposium, public outreach workshop, all well-attended and well-received
4. Increasing corporate sponsorships to fund activities. Successful fundraising to enable planning of subsequent year's events
5. Continuing to encourage members to participate more and to submit grants through CCB
6. Increased communication with members; added new members

Highlights:

July 2014 – CCB reauthorized by UC for 5 more years (New name: Center for Circadian Biology)

July 2014 – September 2014 - June 2015 – Held Clockwatchers journal club twice monthly for faculty and trainees

August 2014 – Coordinated submission of a proposal for Multicampus Research Programs & Initiatives (MRPI) from UC Office of the President (UCOP) to create California Circadian Consortium (CCC) as a UC-wide version of CCB. Included faculty participation from all 10 campuses (declined December 2014)

November 2014 – Coordinated submission of a VCR Frontiers proposal that included many CCB members (approved December 2014, funded January 2015)

November 2014 – Fall faculty-trainee workshop attended by 90 UCSD faculty and trainees. The program included 7 trainee speakers and 5 faculty speakers. The agenda included a 2-hour Professional Development Session with a panel of 2 Faculty members and 2 Local business entrepreneurs who discussed professional development strategies.

December 2014 – Coordinated the submission of a proposal for the National Science Foundation Science and Technology Center competition entitled “Center for Biological Timing in the 21st Century (BT21)” that included many CCB members (not invited for full proposal)

January 2015 – March 2015 – Launch of BioClock Studio (integrated with CCB Symposium and fall clocks class)

January 2015 – UC Frontiers center grant (\$75K) funded, Grant helped to support networking for center development during the 6th annual symposium, and the 2nd CCB Workshop on Circadian Rhythms and Shiftwork.

February 2015 – 6th annual CCB Symposium “*From Cells to Clinic*”

This event is an annual highlight of CCB, known throughout the international community as an exceptional meeting. Featured 18 speakers (four women, one URM, one Latin American), 150 attendees, from over 35 institutions and companies. One featured speaker was Dr. Mark Rosekind, Head of the National Highway Safety Transportation Agency.

February 2015 – 2nd annual CCB “Workshop on Circadian Rhythms and Shiftwork” targeted for shiftworkers in the community. The workshop was held in concert with the symposium to leverage outside speakers. Featured 3 speakers, attracted 43 attendees, which included firefighters, police, RN’s, UCSD medical students, and faculty from UCSD and other Institutions.

February 2015 – March 2015 – Professors Vinod Kumar (University of Delhi) and Sangeeta Rani (Lucknow University) visit Panda/Gorman labs as part of Indo-US science and Technology Center.

February 2015 – convened an annual meeting of the External Advisory Board in conjunction with the CCB Symposium.

April 2015 – Pan-UC Research Catalyst Award LOI submitted (not invited for full proposal)

April - August 2015 – CCB Website overhaul

May-July 2015 – Planning for the 7th annual CCB symposium, with goal of improving diversity among speakers, to be held February 2016. Increased diversity of speakers for 2016: 8 women (2 URM) 10 men; 2 trainees.

May 2015- Jan 2016 – Vigorous fundraising (Sonia Ancoli-Israel, Susan Golden, David Welsh, Div Biol Sci development officer Brittany Lonero, Terry Peters, Pattie Magallanez)

May-July 2015 – Planning for 3rd annual CCB “Workshop on Sleep, Health and Work Schedules” (Formerly called “Workshop on Circadian Rhythms and Shiftwork”) to be held Feb 2016 in concert with the “From Cells to Clinic” symposium. Dropped registration fee.

Summer – Fall 2015 – Vigorous fundraising (Sonia Ancoli-Israel, Susan Golden, David Welsh, Div Biol Sci development officer Brittany Lonero, Terry Peters, Pattie Magallanez).

Summer, Fall 2015 – 3 new members added, one member left UCSD

Summer, Fall 2015 – Gorman and Golden develop online tutorials for 300-student clocks class (with support from grants from HHMI and a UC Instructional Technology program).

October 2015 – Clockwatchers journal club reset to once per month for 2015-16 academic year.

November 2015 – Fall faculty/trainee workshop.

ORU's Committees

Executive Committee and Advisory Committee Meetings

Executive Committee Meeting Dates: Jul 15, 2014; Aug 19, 2014; Sep 16, 2014; Oct 21, 2014; Nov 25, 2014; Dec 16, 2014; Jan 20, 2015; Feb 10, 2015; Mar 17, 2015; Apr 21, 2015; May 19, 2015; Jun 16, 2015.

External Advisory Board Committee Meeting held on February 25, 2015. In attendance: Gene Block (UCLA); Kate Holland (Vanda Pharmaceuticals); Steve Kay (USC); Margaret Moline (Eisai pharmaceutical Co.); Michael Young (The Rockefeller University); Phyllis Zee (Northwestern); Susan Golden (UCSD); Sonia Ancoli-Israel (UCSD); Stu Brody (UCSD); Michael Gorman (UCSD); Michael McCarthy (UCSD); Satchin Panda (SALK/UCSD); David Welsh (UCSD); and Dominic Landgraf (UCSD)

Executive Committee and Advisory Committee Recommendations

Overall, the external advisory committee is impressed with the activities of CCB, and especially with our commitment to training and outreach, and efforts to expand collaboration throughout California.

Specific recommendations included:

- Using the External Board throughout the year, not only during our annual meeting.
- We should contact the Dean of Research in Health Sciences, to get the School of Medicine more involved;
- CCB should draw up a business plan or fundraising brochure to help promotion and fundraising;
- Fundraise for our strength in metabolism and obesity an emerging field;
- Expand our shiftwork workshop to include sleep disorders for circadian health and wellness;

Executive Committee and Advisory Committee Documentation

Copies of CCB executive committee and external advisory board minutes are attached as a separate document.

Diversity Efforts

Individual members of CCB participate in various diversity efforts that are reported through their home departments. In an effort to make specific contributions as an ORU, CCB is incorporating practices to improve diversity and inclusion in all of our activities.

- The speaker invitation list for the 2015 symposium (18 total) included four women, of whom two were Assistant Professors and two were from liberal arts colleges; one postdoctoral trainee (winner of the speaking slot as top speaker at the fall workshop); one African American colleague from Morehouse School of Medicine; and one Spanish-speaking colleague from Chile. Planning for the 2016 meeting increased female invited speaker participation to 10/18, including an African American and a Mexican colleague. Trainees were tasked to think deeply and consider diversity in preparing their list of preferred speakers as well.

CCB members' contributions to diversity, presentations, and activities, July 2014 – June 2015:

Sonia Ancoli-Israel:

Study sections 2014:

- Reviewer: Scientific Review Group NIH Special Emphasis Panel/Scientific Review Group 2015/01 ZRG1 BDCN-A (03) M, November 24, 2014

Study sections 2015:

- Chair, National Institute on Aging Study Section, Sleep and Aging ZAG1 ZIJ-8 (J3), September 11, 2015

Consulting 2014-15:

- Lacrima, Merck, NeuroVigil, Inc., Pernix

Ralph Greenspan:

- Organizer, Cal-BRAIN Patient Advocacy Roundtable, Nov., 2014
- Speaker, Santa Clara Valley Brain Injury Assoc., Santa Clara, Feb. , 2015
- Speaker, SD Brain Injury Foundation Community Meeting, Feb., 2015
- Speaker, Brain Injury Assoc. of California Annual Meeting, Los Angeles, May 2015
- Speaker, Pacific Stroke Assoc. Annual Meeting, Mountain View, May 2015
- Interview on KFMB Radio, July 2015

Elizabeth Harrison (Postdoc in Gorman Lab):

- Member of Graduate Women in Science and Association for Women in Science
- Sleep Education & Outreach, Healthy Kids Day, Peninsula YMCA, 2015
- Sleep Education & Outreach, Exceptional Family Member Program Activity & Resource Fair, 2015
- Sleep Implementation Science Workshop, Associated Professional Sleep Societies, 2015
- (2014-2015) I was a mentor for Expanding Your Horizons. This is a day-long local science conference for female students in 6-10th grade to encourage interest in STEM fields. From the website --"This unique event is designed to foster young girls' enthusiasm for STEM careers, inform them of professions and opportunities, and encourage them to continue their studies in science and math to reach their goals and objectives." This year (2015), Deborah May also participated as a mentor (she was an undergraduate at the time).
- I've mentored 20 research students, including Minority Access to Research Careers, Academic Connections Research Scholar Program, Academic Connections Internship Program, and Mathematics Engineering Science Achievement Scholar students (all designed to give minority or low-income, first-generation students access to research opportunities).

Thijs Walbeek (Graduate student in Gorman Lab):

- I presented my research performed in the Gorman lab twice this year:
- 27th SLTBR meeting in San Diego (Jun 27-28, 2015)
- European Biological Rhythm society: EBRs/WCC meeting in Manchester. (Aug 2-6, 2015)
(<http://www.ebrswcc2015.ls.manchester.ac.uk/>)

Hanne Hoffmann (Postdoc in Pam Mellon Lab):

- **Outreach** Every quarter the last 2 years I have given lab tours to students from the UCSD SURO program (Society of Undergraduate Research and Outreach). The SURO program is dedicated to connecting undergraduate students, particularly underrepresented high school students, to research. During the workshop we discussed fertility and what disrupts fertility (including circadian rhythm disruption). We set up a small workshop to illustrate how we do experiments and data interpretation.
- **Funding obtained for student** Helped my undergraduate student obtain a 2015 Summer Research Fellowship (SRF) from the Endocrine Society to study how weak circadian rhythms affect hormone release in the hypothalamic-pituitary-gonadal axis. This grant by the Endocrine Society provides a \$4,000 stipend to the student which will support their participation in the research project described in their application. This award also includes travel to attend ENDO

2015, the Society's 97th Annual Meeting & Expo being held in San Diego, CA from March 5-8, 2015, and covers housing and travel.

- Mentored STEP-UP student from UVA. The STEP-Up program at NIDDK gives underrepresented persons the opportunity to participate in a short-term research project at the university of their choice. My student worked on a project addressing how disrupted circadian rhythms affect estrous cyclic (Summer 2015)

Carrie Partch:

- Pacific Collegiate Charter School Women in Science (Santa Cruz, CA 2015)
- Grad school prep panel discussion, PREP program, August 2015
- ACCESS program mentoring luncheons (annually) in February (lunch and discussion with ~10-15 students)
- ACCESS lab tours and research presentations (annually) in October
- UCSC STEM Transfer Day lab tour (to encourage primarily underrepresented transfer students to join STEM programs), Oct. 2014
- NIH-funded ACCESS program, Summer 2015 Marisol Sanchez
- NIH-funded PREP postbac program, July 2015-June 2016 Francisco Mendez

Gena Glickman:

- Guided students in the development of study ideas/design for small summer, Masters and Doctoral thesis projects.
- Assisted and instructed in the production of conference posters and powerpoint presentations. This academic model of training is currently being employed at the Naval Health Research Center within a formal internship program.
- Provided educational materials and activities that promote sleep health in young children and their parents through local community events and organizations, including specially designed programs for military families.

Susan Golden:

- Nominated al URM undergraduate student for HHMI's EXROP program, through which he is worked at Brandeis summer 2015
- Laboratory tours and presentations for school children and undergraduates, usually 2-3 groups per year
- Currently serving on the Diversity Committee of the Division of Biological Sciences
- Currently serving as the Faculty Equity Advisor, working to improve practices for recruitment and retention of members of underrepresented groups and to ensure an inclusive work environment
- Mentored a disabled veteran postdoctoral candidate to obtain an NSF fellowships

David Welsh:

- Mentored Portuguese postdoc trainee visitor Rita Barandas, 12/14 - 5/15

Joseph Boyd (Postdoc Golden Lab):

- Gave talks on circadian research to a STEM class consisting of international students in the American Language Program at Cal State Fullerton in fall 2014 and spring 2015

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Barbara Perry:

- Faculty Mentor - Building Interdisciplinary Research Careers in Women's Health (BIRCWH) K12 Award December, 2014

- Building Interdisciplinary Research Careers in Women's Health (BIRCWH). Invited lecture: Women's Mood Disorders. UCSD, April 28, 2015
- Parry BL: Chronobiology of Women's Mood Disorders. Invited lecture. Hillcrest Seminar, sponsored by the CTRI. May 20, 2015

ORU Goals for the coming year

- Evaluate, prioritize, and implement recommendations from the external advisory board
- Continue to Increase diversity in CCB activities
- Improve media coverage of CCB events
- Continue to host successful workshops and symposia
- Work with the campus development office to increase corporate and private fundraising
- Submit additional group grants, seeking center-level funding

Other Income

Comments on the Campus Data Report

The Campus Data report incorrectly reflects the space assigned to the Center for Circadian Biology. CCB is assigned two administrative offices and a conference room. The total is 558 square feet.

STAFF & PARTICIPANTS

TYPE	NAME	TITLE	START DATE	END DATE	HOME DEPARTMENT or INSTITUTION
Director	Golden, Susan	Professor	7/1/2009		Biological Sciences, Molecular
Associate Director	Welsh, David	Associate Professor	7/1/2009		Psychiatry
External Advisory Board	Block, Gene	Chancellor-Professor	5/1/2011		UCLA Chancellor's Office
External Advisory Board	Holland, Kate	VP Marketing/Sales	10/15/2014		Vanda Pharmaceuticals Inc.
External Advisory Board	Kay, Steve	Dean-Professor	7/1/2012		University of Southern California
External Advisory Board	Moline, Margaret	PhD, Director	9/1/2012		Eisai, Inc.
External Advisory Board	Takahashi, Joseph	Professor	5/1/2011		UT Southwestern
External Advisory Board	Young, Michael	Professor	5/1/2011		The Rockefeller University
External Advisory Board	Zee, Phyllis	Professor	5/1/2011		Northwestern University
Executive Committee	Ancoli-Israel, Sonia	Professor Emeritus	7/1/2009		Psychiatry
Executive Committee	Brody, Stu	Professor Emeritus	7/1/2009		Biological Sciences, Molecular

Executive Committee	Gorman, Michael	Professor	7/1/2009		Psychology
Executive Committee	McCarthy, Michael	Assistant Professor	5/1/2011		Psychiatry
Executive Committee	Panda, Satchin	Asst. Adjunct Professor	7/1/2009		Salk, Biological Sciences
CCB Lab Member	Schoeller, Erica	Postdoc Fellow	8/30/2013		Reproductive Medicine
Faculty Member	Bechtel, William	Professor	7/1/2009		Philosophy
Faculty Member	Chory, Joanne	Professor	7/1/2009		Salk, Biological Sciences
Faculty Member	Desplats, Paula	Asst Professor	7/31/2014		Neurosciences
Faculty Member	Elliott, Jeff	Project Scientist Emeritus	7/1/2009		Psychiatry
Faculty Member	Ellisman, Mark	Professor	7/5/2011		Neurosciences
Faculty Member	Evans, Ronald	Professor	7/1/2009		Salk, Biological Sciences
Faculty Member	Greenspan, Ralph	Research Scientist	7/1/2009		Kavli Institute for Brain & Mind
Faculty Member	Hasty, Jeff	Professor	7/1/2009		Biological Sciences, Bioengineering
Faculty Member	Holmes, Todd	Professor	1/24/2011		UC Irvine
Faculty Member	Huberman, Andy	Assistant Professor	1/1/2011		Neurobiology
Faculty Member	Hwa, Terence (Terry)	Professor	7/1/2009		Physics
Faculty Member	Joiner, William	Assistant Professor	7/1/2009		Pharmacology
Faculty Member	Kauffman, Alexander (Sasha)	Assistant Professor	7/1/2009		Reproductive Medicine
Faculty Member	Kelsoe, John	Professor	9/21/2011		Psychiatry
Faculty Member	Kripke, Daniel	Professor Emeritus	7/1/2009		Psychiatry
Faculty Member	Lamia, Katja	Assistant Professor	9/1/2010		The Scripps Research Institute
Faculty Member	LiWang, Andy	Associate Professor	9/1/2010		UC Merced
Faculty Member	MacLeod, Don	Professor	3/12/2015		Psychology
Faculty Member	Malhotra, Atul	Professor, MD	8/30/2013		Medicine - Sleep, Pulmonary and Critical Care

Faculty Member	Mednick, Sara	Assistant Adjunct Professor	7/1/2009		Psychology
Faculty Member	Mellon, Pamela	Professor	7/1/2009		Reproductive Medicine
Faculty Member	Montminy, Marc	Adjunct Professor	7/1/2009		Salk, Biological Sciences
Faculty Member	Nievergelt, Caroline	Assistant Adjunct Professor	5/1/2011		Psychiatry
Faculty Member	Parry, Barbara	Professor	7/1/2009		Psychiatry
Faculty Member	Partch, Carrie	Assistant Professor	9/28/2011		UC Santa Cruz
Faculty Member	Pruneda-Paz, Jose	Assistant Professor	7/10/2009		Biological Sciences, Cell & Developmental
Faculty Member	Rickard, Timothy	Professor	7/1/2009		Psychology
Faculty Member	Rulkov, Nikolai	Research Scientist	11/1/2010		BioCircuits Institute (BCI)
Faculty Member	Sears, Dorothy (Dody)	Associate Professor	1/13/2015		Medicine
Faculty Member	Sejnowski, Terry	Professor	9/1/2010		Salk, Computer Science and Engineering
Faculty Member	Spitzer, Nicholas	Professor	7/10/2009		Neurobiology
Faculty Member	Tsimring, Lev	Research Scientist	7/1/2010		BioCircuits Institute (BCI)
CCB Lab Member	Abrahamsen, Adele	Research Scientist	7/10/2009		Center for Research in Language
CCB Lab Member	Afetian, Megan	Research Tech	9/1/2010		The Scripps Research Institute
CCB Lab Member	Aimon, Sophie	Postdoc	9/27/2012		Kavli Institute for Brain & Mind
CCB Lab Member	Applebee, Kenyon	Postdoc	6/30/2011		Kavli Institute for Brain & Mind
CCB Lab Member	Avanzino, Julie	Undergraduate Student	1/7/2012		Psychiatry
CCB Lab Member	Bittihn, Philip	Postdoc	12/13/2011		BioCircuits Institute (BCI)
CCB Lab Member	Bonaldi, Katia	Postdoc	7/5/2011		Biological Science, Cell Development
CCB Lab Member	Bordowitz, Juliana	Postdoc	7/10/2009		Kavli Institute for Brain & Mind
CCB Lab Member	Borek, Bart	Postdoc	10/3/2012		BioCircuits Institute
CCB Lab Member	Boyd, Joseph	Postdoc	10/11/2011		Center for Circadian Biology (CCB)

CCB Lab Member	Chaix, Amandine	Postdoc Fellow	9/20/2011		Salk, Biological Sciences
CCB Lab Member	Chang, Yonggang (Tyler)	Postdoc	4/27/2011		UC Merced - School of Natural Sciences
CCB Lab Member	Chavan, Archana	Postdoc	8/13/2014		UC Merced - School of Natural Sciences
CCB Lab Member	Chen, You	Postdoc	2/19/2013	2/18/15	Center for Chronobiology (CCB)
CCB Lab Member	Clark, Daniel	Assistant I	7/10/2009		Reproductive Medicine
CCB Lab Member	Cohen, Susan	Postdoc	7/10/2009		Center for Circadian Biology (CCB)
CCB Lab Member	Cookson, Natalie	Assistant Research Sci	7/10/2009		BioCircuits Institute (BCI)
CCB Lab Member	Cookson, Scott	Postdoc	3/10/2014		BioCircuits Institute (BCI)
CCB Lab Member	Daulo, Anthony	Writer Sr.	6/15/2015		
CCB Lab Member	Diamond, Spencer	Postdoc	4/26/2011		Division of Biological Sciences
CCB Lab Member	Didovyk, Andriy	Postdoc	12/13/2011		BioCircuits Institute (BCI)
CCB Lab Member	Diemer, Tanja	Staff Research Associate II	7/27/2011		Psychiatry
CCB Lab Member	Ferry, Michael	Postdoc	7/10/2009		BioCircuits Institute (BCI)
CCB Lab Member	Fernandes, Malcom	Undergrad Student	6/29/2011		Psychiatry
CCB Lab Member	Glickman, Gena	Postdoc	7/10/2009		Psychology
CCB Lab Member	Harrison, Elizabeth (Liz)	Postdoc	7/10/2009		Psychology
CCB Lab Member	Hoffmann, Hanne	Postdoc	6/30/2011		Reproductive Medicine
CCB Lab Member	Huang, Polly	Undergraduate Rotation Student	6/30/2011	1/1/16	Reproductive Medicine
CCB Lab Member	Huber, Anne-Laure	Research Associate	1/7/2012		The Scripps Research Institute
CCB Lab Member	Jeong, Young Mi	SR1	2/2/2015		Center for Circadian Biology (CCB)
CCB Lab Member	Jin, Meng	Postdoc	9/28/2012		BioCircuits Institute (BCI)
CCB Lab Member	Johnson, Jeremy	Undergraduate Student	2/7/2012		Psychology
CCB Lab Member	Kanjanakantorn, Pichaporn	Undergraduate Student	2/4/2014		Center for Circadian Biology (CCB)

CCB Lab Member	Katsuki, Takeo	Assistant Project Scientist	7/10/2009		Kavli Institute for Brain & Mind
CCB Lab Member	Kim, Minsu	Postdoc	9/8/2011		Physics
CCB Lab Member	Kim, Yong Ick	Postdoc	2/3/2014	6/30/15	Center for Circadian Biology (CCB)
CCB Lab Member	Lainscsek, Claudia	Assistant Project Scientist	9/29/2011		Biological Science, Neurosciences
CCB Lab Member	Le, Hiep	Research Assistant	7/10/2009		Salk, Biological Sciences
CCB Lab Member	Liu, Lianqi	Associate Project Scientist	7/10/2009		Psychiatry
CCB Lab Member	Long, Jaimie	Undergraduate Student	4/23/2014		Psychiatry
CCB Lab Member	López, Ana M.	Staff Research Associate II	7/10/2009		Psychiatry
CCB Lab Member	Loredo, Jose	Director	2/8/2012		Psychiatry
CCB Lab Member	Maglione, Jeanne	Resident physician	7/10/2009		Psychiatry
CCB Lab Member	Manzo, Andrea	Postdoc	9/27/2012	8/26/14	Kavli Institute for Brain & Mind
CCB Lab Member	Martínez, Luis Fernando	Staff Research Associate II	7/10/2009		Psychiatry
CCB Lab Member	May, Deborah	Undergraduate - Lab Manager	9/17/2014		Psychology
CCB Lab Member	McDevitt, Elizabeth (Lizzie)	Researcher	4/27/2011		Psychology
CCB Lab Member	McKenna, Ben	Clinical Psychologist	7/10/2009		Psychiatry, VA
CCB Lab Member	McKnight, Briana	Undergraduate Student	6/23/2015		Center for Circadian Biology (CCB)
CCB Lab Member	Meadows, Jason	Staff Research Associate	6/30/2011		Reproductive Medicine
CCB Lab Member	Meliska, Charles J.	Associate Project Scientist	7/10/2009		Psychiatry
CCB Lab Member	Mure, Ludovic	Postdoc	3/29/2011		Salk, Biological Sciences
CCB Lab Member	Nachnani, Rahul	Undergrad Student	1/15/2014		Psychiatry
CCB Lab Member	Nagel, Dawn	Postdoc-Fellow	12/1/2012		The Scripps Research Institute
CCB Lab Member	Natarajan, Loki	Associate Adjunct Prof.	7/10/2009		Psychiatry
CCB Lab Member	Noguchi, Takako	Asst. Project Scientist	7/10/2009		Psychiatry
CCB Lab Member	Paddock, Mark	Project Scientist	11/11/2011		Physics

CCB Lab Member	Pongsawakul, Pagkapol (Yhew)	Postdoc	3/1/2014		Center for Circadian Biology (CCB)
CCB Lab Member	Prindle, Arthur	Postdoc	6/1/2014		Biological Sciences, Microbiology
CCB Lab Member	Sancar, Cigdem	Postdoc	5/18/2015		Center for Circadian Biology (CCB)
CCB Lab Member	Seidner, Glen	Postdoc	2/9/2011		Pharmacology
CCB Lab Member	Seluzicki, Adam	Postdoc	6/4/2014		Salk, Biological Sciences
CCB Lab Member	Sheredos, Benjamin	Postdoc	7/10/2009		HHMI-Center for Circadian Biology (CCB)
CCB Lab Member	Shultzaberger, Ryan	Postdoc	4/1/2012		Kavli Institute for Brain & Mind
CCB Lab Member	Simkovsky, Ryan	Postdoc	3/1/2012		Center for Circadian Biology (CCB)
CCB Lab Member	Sonntag, Tim	Postdoc	7/5/2011		Salk Biological Studies
CCB Lab Member	Sorenson, Diane	Staff SRA III Supervisor	7/10/2009		Psychiatry
CCB Lab Member	Sulli, Gabriele	Postdoc	11/30/2012		Salk, Biological Sciences
CCB Lab Member	Sun, Jonathan	Lab Assistant II	9/4/2013	10/3/14	Psychology
CCB Lab Member	Taton, Arnaud	Postdoc	4/26/2011		Biological Science, Microbiology
CCB Lab Member	Trial, Blake	Staff Technician	4/26/2011		Biological Science, Microbiology
CCB Lab Member	Tseng, Roger	Postdoc	4/27/2011		Center for Circadian Biology (CCB)
CCB Lab Member	Uribe, Francisco	Postdoc	11/30/2012		Biological Science, Cell Development
CCB Lab Member	Wabnik, Krzysztof	Postdoc	12/13/2011		BioCircuits Institute (BCI)
CCB Lab Member	Wagner, Jenee	Staff Research Assistant II	7/10/2009		Kavli Institute for Brain & Mind
CCB Lab Member	Wang, Lexie	Staff Research Assistant	9/28/2011		Psychiatry
CCB Lab Member	Wei, Heather (Hongbing)	Staff Research Associate II	1/7/2012		Psychiatry, Neuroscience
CCB Lab Member	Wu, Meilin	Postdoc	7/10/2009		Pharmacology
CCB Lab Member	Xie, Huimin	Postdoc	6/30/2011		Reproductive Medicine
CCB Lab Member	Zarrinpar, Amir	Postdoc	4/27/2011		Salk, Biological Sciences
CCB Lab Member	Zhao, Xuan	Postdoc	7/11/2013		Salk, Biological Sciences

ACADEMIC AFFILIATES

NAME	TITLE	DEPARTMENT	INSTITUTION
Bentley, George	Assistant Professor	Integrative Biology	UC Berkeley
Bunney, Blynn	Specialist	Psychiatry & Human Behavior	UC Irvine
Bunney, William	Distinguished Professor	Psychiatry & Human Behavior	UC Irvine
Colwell, Chris	Professor	Psychiatry and Biobehavioral Sciences	UCLA
Doyle, Frank	Professor	Chemical Engineering	UC Santa Barbara
Fu, Ying-Hui	Professor	Department of Neurology	UC San Francisco
Harmer, Stacey	Professor	Department of Plant Biology	UC Davis
Harmon, Frank	Adjunct Associate Professor	Plant and Microbial Biology	UC Berkeley
Hoffmann, Alexander	Professor	Chemistry & Biochemistry	UCLA
Kriegsfeld, Lance	Professor	Psychology and Neuroscience	UC Berkeley
Petzold, Linda	Professor	Mechanical & Environmental Engineering	UC Santa Barbara
Plikus, Maksim	Assistant Professor	Developmental & Cell Biology	UC Irvine
Ptáček, Louis	Professor	Department of Neurology	UC San Francisco
Sassone-Corsi, Paolo	Professor	Department of Pharmacology	UC Irvine
Zhao, Qun-Yong	Professor	Department of Pharmacology	UC Irvine
Zucker, Irving	Professor Emeritus	Physiology & Integrative Biology	UC Berkeley

GRADUATE STUDENTS

NAME	ADVISOR	START DATE	END DATE	HOME DEPARTMENT	DEGREE / CONFERAL DATE
Baumgart, Leo	Hasty	8/27/2013		Bioengineering	
Benegiamo, Giorgia	Panda	7/2/2013		Salk, Biological Sciences	
Csicsery, Nick	Hasty	8/5/2013		Bioengineering	
Din, Omar	Hasty	6/18/2012		Bioengineering	
Dueck, Megan	Hasty	10/1/2011		Bioengineering	

Graham, Garrett	Hasty	1/1/2015		Bioengineering	
Li, Zheng	Pruneda-Paz	10/10/2014		Biological Science, Cell Development	
Liu, Cindy	Panda	12/12/2013		Salk, Biological Sciences	
Luke, Joyce	Hasty	7/10/2009		Bioengineering	
O’Laughlin, Ricky	Hasty	7/29/2013		Bioengineering	
Poling, Matthew	Kauffman	7/10/2009		Reproductive Medicine	
Poling, Matthew	Parry	7/10/2009		Reproductive Medicine	
Raiewski, Evan	Gorman	7/10/2009		Psychology	
Rubin, Ben	Golden	12/12/2013		Center for Circadian Biology (CCB)	
Sinning, Susan (Mandy)	Gorman	7/10/2009	10/7/2014	Psychology	PhD - 10/7/2014
Stasiowski, Elizabeth	Hasty	1/1/2015		Bioengineering	
Sun, Ruichen	Greenspan	9/27/2012		Kavli Institute for Brain & Mind	
Taylor, Brooks	Hasty	7/10/2009	3/1/2015	Bioengineering	PhD - 3/1/2015
Walbeek, Thijs	Gorman	9/17/2014		Psychology	
Xiong, Liyang	Tsimring	9/1/2014		Physics	

VISITORS/VOLUNTEERS

NAME	START DATE	END DATE	HOME INSTITUTION	SOURCE OF SUPPORT
Cordeiro, Rita	11/23/2014	2/1/2015	Germany	Home Institution
Orsi, Enrico	4/13/2015	9/30/15	Visitor-Netherlands	Home Institution

University-Industry and University-Government Activities

Drs. Satchin Panda and Michael Gorman – Joint Center for Biological Timing from the Indo-US Science & Technology Forum.

Drs. Susan Golden and Rakefet Schwarz of Bar-Ilan - NSF- US-Israel Binational Foundation (BSF) Intercellular Communication Underlying Biofilm Development in Cyanobacteria.

Drs. David Welsh and Michael McCarthy work at the VA.

Seminars, Lectures, Symposia and Conference programs

Title: CCB Fall Workshop on Biological Timing

Date: Friday, November 14, 2014

Presenter(s):

Paula Desplats - Assistant Professor of Neurosciences, UCSD
Spencer Diamond - Graduate Student in Susan Golden Lab, UCSD
Hanne Hoffmann - Postdoc in Mellon Lab, UCSD
Anne-Laure Huber - Research Associate in Lamia Lab, The Scripps Research Institute
Dawn Nagel - Postdoc in Steve Kay Lab, USC
Takako Noguchi - Assistant Project Scientist in Gorman and Welsh Labs, UCSD
Ryan Shultzaberger - Postdoc in Greenspan Lab, UCSD
Ron Szymusiak - Adjunct Professor of Medicine and Neurobiology, UCLA
Amir Zarrinpar - Postdoc in Panda Lab, Salk Institute

External UC campus participants:

Todd Holmes - Professor of Physiology and Biophysics, UC Irvine

Location: UCSD 15th Floor, Village West

Title: 6th Annual CCB Symposium “From Cells to Clinic”

Date: February 25-27, 2015

Presenter(s):

Edward
- Pontificia Universidad Catolica de Chile
Tanya Leise - Amherst College, MA
Andrew Liu - University of Memphis, TN
Atul Malhotra - UC San Diego, CA
Michael McCarthy - UC San Diego, CA
Carrie Partch - UC Santa Cruz, CA
Ketema Paul - Morehouse School of Medicine, GA
Maksim Plikus - UC Irvine, CA
Pagkapol DeLong - University of Hawaii, HI
Jennifer Evans - Marquette University, WI
Paul Hardin - Texas A&M University, TX
Steve Horvath - UCLA, CA
Luis Larrondo Yhew Pongsawakul - UC San Diego and Salk Institute, CA
Mark Rosekind - National Highway Traffic Safety Administration, Washington DC
Lev Tsimring - UC San Diego, CA
King-Wai Yau - Johns Hopkins School of Medicine, MD
Phyllis Zee - Northwestern University, IL
Jamie Zeitzer - Stanford School of Medicine, CA
Location: Sanford Consortium Auditorium, UCSD

Title: CCB Workshop on Circadian Rhythms & Shiftwork

Date: Wednesday, February 25, 2015

Presenter(s):

Phyllis Zee - Director of the Center for Sleep and Circadian Medicine, Northwestern University Feinberg School of Medicine
Michael Gorman - Professor of Psychology, UC San Diego
Sonia Ancoli-Israel - Professor Emeritus of Psychiatry and Medicine, UC San Diego
Location: Sanford Consortium Auditorium

Title: 27th Annual Society for Light Treatment & Biological Rhythms (SLTBR)

Date: June 27-28, 2015

Presenter(s):

Benita Middleton, University of Surrey, UK
Michael Terman, Columbia University, NY

Francesco Benedetti, Department of Clinical Neurosciences, Milano, Italy
Robert Levitan, Campbell Family Mental Health Research Institute, Canada
Dan Kripke, UC San Diego, CA
Gena Glickman, UC San Diego, CA
Kate Kaplan, Cognitive Behavioral Therapy, Palo Alto, CA
Sara Mednick, UC Riverside, CA
Sonia Ancoli-Israel, UC San Diego, CA
Barbara Parry, UC San Diego, CA
Michael Gorman, UC San Diego, CA
Shanaz Diessler, University of Lausanne, Switzerland
Johannes Regente, Department of sleep medicine, Germany
John Hogenesch, University of Cincinnati, OH
Alfred Lewy, Oregon Health & Sciences University, OR
Susan Golden, UC San Diego, CA
Michael Young, The Rockefeller University, NY
Mirjam Münch, Charité University Medicine, Germany
Megan Miller, University of Pittsburgh, PA
Mohammed AlBreiki, University of Surrey, UK
Takuya Yoshiike, Shiga University, Japan
Sandra Kooij, The Hague, Netherlands
Brenda McMahon, Copenhagen University, Denmark
Michael McCarthy, UC San Diego, CA
Raymond Lam, Vancouver Coastal Health, Canada
Kelly J. Rohan, University of Vermont, VA
Barbara Parry, UC San Diego, CA

ORU Publications

The 3 Most Cited Publications of the ORU

To be provided at next 5-year review.

Publications

CCB Publications – 7-1-2014 to 6-30-2015

Susan Golden

Journals

The circadian oscillator in *Synechococcus elongatus* controls metabolite partitioning during diurnal growth.

Diamond S, Jun D, Rubin BE, Golden SS.

Proc Natl Acad Sci U S A. 2015 Apr 14;112(15):E1916-25. doi: 10.1073/pnas.1504576112. Epub 2015 Mar 30.

Photosynthetic bio-manufacturing: food, fuel, and medicine for the 21st century.

Mayfield S, Golden SS.

Photosynth Res. 2015 Mar;123(3):225-6. doi: 10.1007/s11120-014-0063-z. No abstract available.
PMID: 25676708

Best practices for fluorescence microscopy of the cyanobacterial circadian clock.
Cohen SE, Erb ML, Pogliano J, Golden SS.
Methods Enzymol. 2015;551:211-21. doi: 10.1016/bs.mie.2014.10.014. Epub 2014 Dec 26.
PMID: 25662459

Detecting KaiC phosphorylation rhythms of the cyanobacterial circadian oscillator in vitro and in vivo.
Kim YI, Boyd JS, Espinosa J, Golden SS.
Methods Enzymol. 2015;551:153-73. doi: 10.1016/bs.mie.2014.10.003. Epub 2014 Dec 27.

High-throughput and quantitative approaches for measuring circadian rhythms in cyanobacteria using bioluminescence.
Shultzaberger RK, Paddock ML, Katsuki T, Greenspan RJ, Golden SS.
Methods Enzymol. 2015;551:53-72. doi: 10.1016/bs.mie.2014.10.010. Epub 2014 Dec 26.
PMID: 25662451

Cross-talk and regulatory interactions between the essential response regulator RpaB and cyanobacterial circadian clock output.
Espinosa J, Boyd JS, Cantos R, Salinas P, Golden SS, Contreras A.
Proc Natl Acad Sci U S A. 2015 Feb 17;112(7):2198-203. doi: 10.1073/pnas.1424632112. Epub 2015 Feb 4. PMID: 25653337

Single mutations in sasA enable a simpler Δ cikA gene network architecture with equivalent circadian properties.
Shultzaberger RK, Boyd JS, Katsuki T, Golden SS, Greenspan RJ.
Proc Natl Acad Sci U S A. 2014 Nov 25;111(47):E5069-75. doi: 10.1073/pnas.1419902111. Epub 2014 Nov 10.
PMID: 25385627

Dynamic localization of the cyanobacterial circadian clock proteins.
Cohen SE, Erb ML, Selimkhanov J, Dong G, Hasty J, Pogliano J, Golden SS.
Curr Biol. 2014 Aug 18;24(16):1836-44. doi: 10.1016/j.cub.2014.07.036. Epub 2014 Aug 7.
PMID: 25127213

Broad-host-range vector system for synthetic biology and biotechnology in cyanobacteria.
Taton A, Unglaub F, Wright NE, Zeng WY, Paz-Yepes J, Brahamsha B, Palenik B, Peterson TC, Haerizadeh F, Golden SS, Golden JW.
Nucleic Acids Res. 2014;42(17):e136. doi: 10.1093/nar/gku673. Epub 2014 Jul 29.
PMID: 25074377

Jeff Hasty

Journals

Distributed classifier based on genetically engineered bacterial cell cultures.
Didovyk A, Kanakov OI, Ivanchenko MV, Hasty J, Huerta R, Tsimring L.
ACS Synth Biol. 2015 Jan 16;4(1):72-82. doi: 10.1021/sb500235p. Epub 2014 Nov 11.
PMID: 25349924

Synchronization of degrade-and-fire oscillations via a common activator.

Mather W, Hasty J, Tsimring LS.

Phys Rev Lett. 2014 Sep 19;113(12):128102. Epub 2014 Sep 16.

PMID: 25279645

Dynamic localization of the cyanobacterial circadian clock proteins.

Cohen SE, Erb ML, Selimkhanov J, Dong G, Hasty J, Pogliano J, Golden SS.

Curr Biol. 2014 Aug 18;24(16):1836-44. doi: 10.1016/j.cub.2014.07.036. Epub 2014 Aug 7.

PMID: 25127213

Lev Tsimring

Journals

Considering the kinetics of mRNA synthesis in the analysis of the genome and epigenome reveals determinants of co-transcriptional splicing.

Davis-Turak JC, Allison K, Shokhirev MN, Ponomarenko P, Tsimring LS, Glass CK, Johnson TL, Hoffmann A.

Nucleic Acids Res. 2015 Jan;43(2):699-707. doi: 10.1093/nar/gku1338. Epub 2014 Dec 24.

PMID: 25541195

Systems biology. Accurate information transmission through dynamic biochemical signaling networks.

Selimkhanov J, Taylor B, Yao J, Pilko A, Albeck J, Hoffmann A, Tsimring L, Wollman R.

Science. 2014 Dec 12;346(6215):1370-3. doi: 10.1126/science.1254933.

PMID: 25504722

Synchronization of degrade-and-fire oscillations via a common activator.

Mather W, Hasty J, Tsimring LS.

Phys Rev Lett. 2014 Sep 19;113(12):128102. Epub 2014 Sep 16.

PMID: 25279645

Michael Gorman

Journals

Structure of the lysine specific protease Kgp from Porphyromonas gingivalis, a target for improved oral health.

Gorman MA, Seers CA, Michell BJ, Feil SC, Huq NL, Cross KJ, Reynolds EC, Parker MW.

Protein Sci. 2015 Jan;24(1):162-6. doi: 10.1002/pro.2589. Epub 2014 Dec 3.

PMID: 25327141

Determinants of oligosaccharide specificity of the carbohydrate binding modules of AMP-activated protein kinase.

Mobbs JI, Koay A, Di Paolo A, Bieri M, Petrie EJ, Gorman MA, Doughty L, Parker MW, Stapleton D, Griffin MD, Gooley PR.

Biochem J. 2015 Mar 16. [Epub ahead of print]

David Welsh

Journals

Light evokes rapid circadian network oscillator desynchrony followed by gradual phase retuning of synchrony.

Roberts L, Leise TL, Noguchi T, Galschiodt AM, Houl JH, Welsh DK, Holmes TC.

Curr Biol. 2015 Mar 30;25(7):858-67. doi: 10.1016/j.cub.2015.01.056. Epub 2015 Mar 5.

PMID: 25754644

Circadian clock and stress interactions in the molecular biology of psychiatric disorders.

Landgraf D, McCarthy MJ, Welsh DK.

Curr Psychiatry Rep. 2014 Oct;16(10):483. doi: 10.1007/s11920-014-0483-7.

PMID: 25135782

Joanne Chory

Journals

Subcellular Redistribution of Root Aquaporins Induced by Hydrogen Peroxide.

Wudick MM, Li X, Valentini V, Geldner N, Chory J, Lin J, Maurel C, Luu DT.

Mol Plant. 2015 Mar 6. pii: S1674-2052(15)00168-9. doi: 10.1016/j.molp.2015.02.017. [Epub ahead of print]

PMID: 25749111

NIK1-mediated translation suppression functions as a plant antiviral immunity mechanism.

Zorzatto C, Machado JP, Lopes KV, Nascimento KJ, Pereira WA, Brustolini OJ, Reis PA, Calil IP, Deguchi M, Sachetto-Martins G, Gouveia BC, Loriato VA, Silva MA, Silva FF, Santos AA, Chory J, Fontes EP.

Nature. 2015 Feb 23. doi: 10.1038/nature14171. [Epub ahead of print]

Sustained NIK-mediated antiviral signalling confers broad-spectrum tolerance to begomoviruses in cultivated plants.

Brustolini OJ, Machado JP, Condori-Apfata JA, Coco D, Deguchi M, Loriato VA, Pereira WA, Alfenas-Zerbini P, Zerbini FM, Inoue-Nagata AK, Santos AA, Chory J, Silva FF, Fontes EP.

Plant Biotechnol J. 2015 Feb 16. doi: 10.1111/pbi.12349. [Epub ahead of print]

PMID: 25688422

Internalization and vacuolar targeting of the brassinosteroid hormone receptor BRI1 are regulated by ubiquitination.

Martins S, Dohmann EM, Cayrel A, Johnson A, Fischer W, Pojer F, Satiat-Jeunemaître B, Jaillais Y, Chory J, Geldner N, Vert G.

Nat Commun. 2015 Jan 21;6:6151. doi: 10.1038/ncomms7151.

PMID: 25608221

The growth-defense pivot: crisis management in plants mediated by LRR-RK surface receptors.

Belkhadir Y, Yang L, Hetzel J, Dangl JL, Chory J.

Trends Biochem Sci. 2014 Oct;39(10):447-56. doi: 10.1016/j.tibs.2014.06.006. Epub 2014 Aug 1.

Review.

PMID: 25089011

Phytochrome A antagonizes PHYTOCHROME INTERACTING FACTOR 1 to prevent over-activation of photomorphogenesis.

Krzymuski M, Cerdán PD, Zhu L, Vinh A, Chory J, Huq E, Casal JJ.

Mol Plant. 2014 Sep;7(9):1415-28. doi: 10.1093/mp/ssu078. Epub 2014 Jul 9.

PMID: 25009301

Interview

Interview with Joanne Chory.

Chory J.

Trends Biochem Sci. 2014 Oct;39(10):435-6. doi: 10.1016/j.tibs.2014.08.002. Epub 2014 Sep 11. No abstract available.

Sonia Ancoli-Israel

Journals

Wake up time, light, and mood in a population sample age 40-64 years.

Endo T, Kripke DF, Ancoli-Israel S.

Psychiatry Investig. 2015 Apr;12(2):177-82. doi: 10.4306/pi.2015.12.2.177. Epub 2014 Dec 12.

PMID: 25866517

Associations between sleep-disordered breathing, nocturnal hypoxemia, and subsequent cognitive decline in older community-dwelling men: the osteoporotic fractures in men sleep study.

Blackwell T, Yaffe K, Laffan A, Redline S, Ancoli-Israel S, Ensrud KE, Song Y, Stone KL; Osteoporotic Fractures in Men Study Group.

J Am Geriatr Soc. 2015 Mar;63(3):453-61. doi: 10.1111/jgs.13321. Epub 2015 Mar 2.

PMID: 25803785

Use of non-benzodiazepine sedative hypnotics and risk of falls in older men.

Diem SJ, Ewing SK, Stone KL, Ancoli-Israel S, Redline S, Ensrud KE; the Osteoporotic Fractures in Men (MrOS) Study Group.

J Gerontol Geriatr Res. 2014 Jul 1;3(3):158.

PMID: 25587493

Vitamin D and actigraphic sleep outcomes in older community-dwelling men: the MrOS sleep study.

Massa J, Stone KL, Wei EK, Harrison SL, Barrett-Connor E, Lane NE, Paudel M, Redline S, Ancoli-Israel S, Orwoll E, Schernhammer E.

Sleep. 2015 Feb 1;38(2):251-7. doi: 10.5665/sleep.4408.

PMID: 25581929

Sleep-disordered breathing and functional decline in older women.

Spira AP, Stone KL, Rebok GW, Punjabi NM, Redline S, Ancoli-Israel S, Yaffe K.

J Am Geriatr Soc. 2014 Nov;62(11):2040-6. doi: 10.1111/jgs.13108. Epub 2014 Nov 6.

PMID: 25376169

Weaker circadian activity rhythms are associated with poorer executive function in older women.

Walsh CM, Blackwell T, Tranah GJ, Stone KL, Ancoli-Israel S, Redline S, Paudel M, Kramer JH, Yaffe K.

Sleep. 2014 Dec 1;37(12):2009-16. doi: 10.5665/sleep.4260.
PMID: 25337947

Relationships Between Sleep Stages and Changes in Cognitive Function in Older Men: The MrOS Sleep Study.

Song Y, Blackwell T, Yaffe K, Ancoli-Israel S, Redline S, Stone KL; Osteoporotic Fractures in Men (MrOS) Study Group.

Sleep. 2015 Mar 1;38(3):411-21. doi: 10.5665/sleep.4500.
PMID: 25325465

Circadian rest/activity rhythms in knee osteoarthritis with insomnia: A study of osteoarthritis patients and pain-free controls with insomnia or normal sleep.

Spira AP, Runko VT, Finan PH, Kaufmann CN, Bounds SC, Liu L, Buenaver LF, McCauley LM, Ancoli-Israel S, Smith MT.

Chronobiol Int. 2015 Mar;32(2):242-7. doi: 10.3109/07420528.2014.965314. Epub 2014 Oct 7.
PMID: 25290041

Hypoxia during sleep and the risk of falls and fractures in older men: the Osteoporotic Fractures in Men Sleep Study.

Cauley JA, Blackwell TL, Redline S, Ensrud KE, Ancoli-Israel S, Fink HA, Orwoll ES, Stone KL; Osteoporotic Fractures in Men Study.

J Am Geriatr Soc. 2014 Oct;62(10):1853-9. doi: 10.1111/jgs.13069. Epub 2014 Oct 3.
PMID: 25283237

Circadian rest-activity rhythms predict future increases in depressive symptoms among community-dwelling older men. Smagula SF, Ancoli-Israel S, Blackwell T, Boudreau R, Stefanick ML, Paudel ML, Stone KL, Cauley JA; Osteoporotic Fractures in Men (MrOS) Research Group.

Am J Geriatr Psychiatry. 2015 May;23(5):495-505. doi: 10.1016/j.jagp.2014.06.007. Epub 2014 Jun 26.
PMID: 25066948

Parkinson's disease and REM sleep behavior disorder result in increased non-motor symptoms.

Neikrug AB, Avanzino JA, Liu L, Maglione JE, Natarajan L, Corey-Bloom J, Palmer BW, Loredó JS, Ancoli-Israel S.

Sleep Med. 2014 Aug;15(8):959-66. doi: 10.1016/j.sleep.2014.04.009. Epub 2014 May 10.
PMID: 24938585

Impairment in circadian activity rhythms occurs during dexamethasone therapy in children with leukemia.

Rogers VE, Zhu S, Ancoli-Israel S, Hinds PS.

Pediatr Blood Cancer. 2014 Nov;61(11):1986-91. doi: 10.1002/pbc.25147. Epub 2014 Jul 25.
PMID: 25066691

Subjective and objective sleep disturbance and longitudinal risk of depression in a cohort of older women.

Maglione JE, Ancoli-Israel S, Peters KW, Paudel ML, Yaffe K, Ensrud KE, Stone KL; Study of Osteoporotic Fractures Research Group.
Sleep. 2014 Jul 1;37(7):1179-87. doi: 10.5665/sleep.3834.
PMID: 25061246

Systematic light exposure in the treatment of cancer-related fatigue: a preliminary study.
Redd WH, Valdimarsdottir H, Wu LM, Winkel G, Byrne EE, Beltre MA, Liebman ES, Erazo T, Hayes JA, Isola L, Scigliano E, Meschian Y, Lutgendorf S, Ancoli-Israel S.
Psychooncology. 2014 Dec;23(12):1431-4. doi: 10.1002/pon.3553. Epub 2014 May 2. No abstract available.
PMID: 24798589

Sleep, fatigue, depression, and circadian activity rhythms in women with breast cancer before and after treatment: a 1-year longitudinal study.
Ancoli-Israel S, Liu L, Risling M, Natarajan L, Neikrug AB, Palmer BW, Mills PJ, Parker BA, Sadler GR, Maglione J.
Support Care Cancer. 2014 Sep;22(9):2535-45. doi: 10.1007/s00520-014-2204-5. Epub 2014 Apr 15.
PMID: 24733634

Positive affect and sleep in spousal Alzheimer caregivers: a longitudinal study.
von Känel R, Mausbach BT, Ancoli-Israel S, Mills PJ, Dimsdale JE, Patterson TL, Grant I.
Behav Sleep Med. 2014 Sep 3;12(5):358-72. doi: 10.1080/15402002.2013.819470. Epub 2013 Oct 24.
PMID: 24156281

Impaired prefrontal sleep spindle regulation of hippocampal-dependent learning in older adults.
Mander BA, Rao V, Lu B, Saletin JM, Ancoli-Israel S, Jagust WJ, Walker MP.
Cereb Cortex. 2014 Dec;24(12):3301-9. doi: 10.1093/cercor/bht188. Epub 2013 Jul 30.
PMID: 23901074

Paula Desplats

Journals

Epigenetic alterations in the brain associated with HIV-1 infection and methamphetamine dependence.
Desplats P, Dumaop W, Cronin P, Gianella S, Woods S, Letendre S, Smith D, Masliah E, Grant I.
PLoS One. 2014 Jul 23;9(7):e102555. doi: 10.1371/journal.pone.0102555. eCollection 2014.
PMID: 25054922

ESCRT-mediated uptake and degradation of brain-targeted α -synuclein single chain antibody attenuates neuronal degeneration in vivo.
Spencer B, Emadi S, Desplats P, Eleuteri S, Michael S, Kosberg K, Shen J, Rockenstein E, Patrick C, Adame A, Gonzalez T, Sierks M, Masliah E.
Mol Ther. 2014 Oct;22(10):1753-67. doi: 10.1038/mt.2014.129. Epub 2014 Jul 10.
PMID: 25008355

Perinatal programming of neurodevelopment: epigenetic mechanisms and the prenatal shaping of the brain.
Desplats PA.

Adv Neurobiol. 2015;10:335-61. doi: 10.1007/978-1-4939-1372-5_16.
PMID: 25287548

Sean Drummond

Journals

Obstructive Sleep Apnea and Posttraumatic Stress Disorder among OEF/OIF/OND Veterans.

Colvonen PJ, Masino T, Drummond SP, Myers US, Angkaw AC, Norman SB.

J Clin Sleep Med. 2015 Feb 10. pii: jc-00285-14. [Epub ahead of print]

PMID: 25665698

Sleep variability in military-related PTSD: a comparison to primary insomnia and healthy controls.

Straus LD, Drummond SP, Nappi CM, Jenkins MM, Norman SB.

J Trauma Stress. 2015 Feb;28(1):8-16. doi: 10.1002/jts.21982. Epub 2015 Jan 28.

PMID: 25630526

Brain functional correlates of working memory: reduced load-modulated activation and deactivation in aging without hyperactivation or functional reorganization.

Kaup AR, Drummond SP, Eyler LT.

J Int Neuropsychol Soc. 2014 Oct;20(9):945-50. doi: 10.1017/S1355617714000824. Epub 2014 Sep 29.

PMID: 25263349

Fear conditioning, safety learning, and sleep in humans.

Marshall AJ, Acheson DT, Risbrough VB, Straus LD, Drummond SP.

J Neurosci. 2014 Aug 27;34(35):11754-60. doi: 10.1523/JNEUROSCI.0478-14.2014.

PMID: 25164670

Prevalence and mental health correlates of sleep disruption among military members serving in a combat zone.

Taylor MK, Hilton SM, Campbell JS, Beckerley SE, Shobe KK, Drummond SP; Behavioral Health Needs Assessment Team.

Mil Med. 2014 Jul;179(7):744-51. doi: 10.7205/MILMED-D-13-00551.

PMID: 25003859

Associations between circadian activity rhythms and functional brain abnormalities among euthymic bipolar patients: a preliminary study.

McKenna BS, Drummond SP, Eyler LT.

J Affect Disord. 2014 Aug;164:101-6. doi: 10.1016/j.jad.2014.04.034. Epub 2014 Apr 21.

PMID: 24856561

Ralph Greenspan

Journals

Connectomics-Based Analysis of Information Flow in the Drosophila Brain.

Shih CT, Sporns O, Yuan SL, Su TS, Lin YJ, Chuang CC, Wang TY, Lo CC, Greenspan RJ, Chiang AS.

Curr Biol. 2015 Apr 8. pii: S0960-9822(15)00336-X. doi: 10.1016/j.cub.2015.03.021. [Epub ahead of print]

PMID: 25866397

High-throughput and quantitative approaches for measuring circadian rhythms in cyanobacteria using bioluminescence.

Shultzaberger RK, Paddock ML, Katsuki T, Greenspan RJ, Golden SS.

Methods Enzymol. 2015;551:53-72. doi: 10.1016/bs.mie.2014.10.010. Epub 2014 Dec 26.

PMID: 25662451

Single mutations in sasA enable a simpler Δ cikA gene network architecture with equivalent circadian properties.

Shultzaberger RK, Boyd JS, Katsuki T, Golden SS, Greenspan RJ.

Proc Natl Acad Sci U S A. 2014 Nov 25;111(47):E5069-75. doi: 10.1073/pnas.1419902111. Epub 2014 Nov 10.

PMID: 25385627

Related citations