



Sleep and Neurodevelopment Symposium: The Earliest Years
November 18, 2021

NEEDS STATEMENT

This workshop will provide current state of knowledge on early sleep development. Sleep is essential for proper brain development, yet the complex processes that establish the sleep pattern and ultimately influence the formation of functional brain circuits from birth onward are barely known. This workshop will highlight new insights in circadian rhythm, genetic, and maternal-fetal dyad underpinnings of sleep development during the first year of life and how these influence brain development and neuropsychiatric and cognitive health later in life. As such, this knowledge to be gained from this conference will impact the knowledge and practice of physicians.

TARGET AUDIENCE

This activity is for Students, residents, fellows, sleep technologists, nurse practitioners, and physician assistants, clinical researchers, and basic science researchers interested in sleep process.

EDUCATIONAL OBJECTIVES

At the conclusion of the activity, the participants should be able to:

- Identify early factors that influence the development of the circadian rhythm in mammals
- Identify key shared genes that influence both neurodevelopment and the maturation of the circadian system
- Identify sleep metrics relative to neurodevelopment and how they change over the first year of life

EDUCATIONAL METHODS

Lecture

EVALUATION

Evaluation by questionnaire will address program content, presentation, and possible bias.

ACCREDITATION/CREDIT DESIGNATION

Physician

Baylor College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Baylor College of Medicine designates this live activity for a maximum of 5.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OBTAINING CREDIT

Two (2) business days after the course, an email will follow from the Baylor College of Medicine, Division of Continuing Professional Development with instructions for completing the evaluation and obtaining your CME Certificate, CE Certificate, or Certificate of Attendance.

Contact Information

Baylor College of Medicine
Division of Continuing Professional Development
One Baylor Plaza, MS: BCM 155
Houston, TX 77030-3411

Email: cpd@bcm.edu
Phone: 713.798.8237
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Visit our website at cpd.education.bcm.edu for information about additional CME activities.

DRUG/DEVICE STATUS DISCLOSURE

Some drugs/devices identified during this activity may have United States Food and Drug Administration (FDA) clearance for specific purposes only or for use in restricted research settings. The FDA has stated that it is the responsibility of the individual physician to determine the FDA status of each drug or device that he/she wishes to use in clinical practice and to use the products in compliance with applicable law.



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Baylor College of Medicine requires that all faculty/presenters disclose an unlabeled use or investigational use of pharmaceutical and medical device products, and provide adequate scientific and clinical justification for such use. Physicians are urged to fully review all the available data on products or procedures before using them to treat patients.

DISCLOSURE OF FINANCIAL RELATIONSHIPS WITH COMMERCIAL INTERESTS

DISCLOSURE POLICY

Baylor College of Medicine (BCM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians. BCM is committed to sponsoring CME activities that are scientifically based, accurate, current, and objectively presented.

In accordance with the ACCME Standards for Commercial Support, BCM has implemented a mechanism requiring everyone in a position to control the content of an educational activity (i.e., directors, planning committee members, faculty) to disclose any relevant financial relationships with commercial interests (drug/device companies) and manage/resolve any conflicts of interest prior to the activity. Individuals must disclose to participants the existence or non-existence of financial relationships: 1) at the time of the activity or within 12 months prior; and 2) of their spouses/partners.

In addition, BCM has requested activity faculty/presenters to disclose to participants any unlabeled use or investigational use of pharmaceutical/device products; to use scientific or generic names (not trade names) in referring to products; and, if necessary to use a trade name, to use the names of similar products or those within a class. Faculty/presenters have also been requested to adhere to the ACCME’s validation of clinical content statements.

BCM does not view the existence of financial relationships with commercial interests as implying bias or decreasing the value of a presentation. It is up to participants to determine whether the relationships influence the activity faculty with regard to exposition or conclusions. If at any time during this activity you feel that there has been commercial/promotional bias, notify the Activity Director or Activity Coordinator. Please answer the questions about balance and objectivity in the activity evaluation candidly.

All of the relevant financial relationships listed for these individuals have been mitigated.

DISCLOSURES

Name	Role(s)		Relationship(s)
	Planning Member	Faculty/Presenter	
Ashura Buckley, M.D. – Activity Director Director, Sleep & Neurodevelopmental Services National Institutes of Health	•		Nothing to disclose
Mirjana Maletic-Savatic, M.D., Ph.D. – Activity Director Associate Professor, Department of Pediatric-Neurology Baylor College of Medicine	•		Nothing to disclose
Seth Blackshaw, Ph.D. Professor, Department of Neuroscience The Johns Hopkins University School of Medicine		•	Nothing to disclose
Catherine Chu, M.D. Associate Professor, Department of Neurology Harvard Medical School		•	<u>Research Support</u> : Biogen Inc. <u>Advisory Committee Member</u> : Epilepsy Foundation New England <u>Consultant</u> : Biogen Inc.
Alexa Craig, M.D., M.S. Assistant Professor, Department of Pediatric Tufts University School of Medicine		•	Nothing to disclose



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Name	Role(s)		Relationship(s)
	Planning Member	Faculty/Presenter	
Gregory Holmes, M.D. Chair and Professor, Department of Neurological Sciences The University of Vermont College of Medicine		●	Nothing to disclose
Jonathan Lipton, M.D., Ph.D. Assistant Professor, Department of Neurology Harvard Medical School		●	Nothing to disclose
Matthew McGinley, Ph.D. Assistant Professor, Department of Neuroscience Baylor College of Medicine		●	<u>Research Support</u> : IONIS pharmaceuticals
Katherine Sharkey, M.D., Ph.D. Associate Professor, Department of Medicine and Psychiatry & Human Behavior Alpert Medical School of Brown University		●	Nothing to disclose
Shaun Purcell, Ph.D. Associate Professor, Department of Psychiatry Harvard Medical School		●	Nothing to disclose
Renee Shellhaas, M.D., M.S. Professor, Department of Pediatrics University of Michigan Medical School		●	<u>Consultant</u> : The Epilepsy Study Consortium <u>Board Membership</u> : Pediatric Epilepsy Research Foundation <u>Honorarium Recipient</u> : UpToDate <u>Employment</u> : serve as an Associate Editor for Neurology (the official journal of the American Academy of Neurology) and receive a stipend for this work
Olivia Veatch, Ph.D. Assistant Professor, Department of Psychiatry & Behavioral Sciences The University of Kansas Medical Center		●	Nothing to disclose

DISCLAIMER

This activity is designed for healthcare professionals for educational purposes. Information and opinions offered by the faculty/presenters represent their own viewpoints. Conclusions drawn by the participants should be derived from careful consideration of all available scientific information.

While Baylor College of Medicine makes every effort to have accurate information presented, no warranty, expressed or implied, is offered. The participant should use his/her clinical judgment, knowledge, experience, and diagnostic decision-making before applying any information, whether provided here or by others, for any professional use.

Faculty/presenters have submitted materials for this syllabus for printing in advance so that you may have an outline or summary of the main points of their presentation. Often this differs from the final version of their slides as faculty/ presenters make revisions up until the day of the meeting.

Additionally, some images (cartoons, drawings and some photographs) shown on the screen may not be present in your educational materials because of publishers' requirements for reprinting of copyrighted images.

NOTICES

Faculty, topics, program schedule, and credit are subject to change.

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