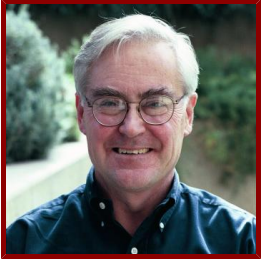


Stanford



H. Craig Heller

Lorry I. Lokey/Business Wire Professor
Biology

CONTACT INFORMATION

- **Alternate Contact**

May Chin - Administrative Assistant

Email maychin@stanford.edu

Tel 650 725 1827

Bio

ACADEMIC APPOINTMENTS

- Professor, Biology
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Associate Dean, Dean of Research, (1994-1997)
- Chair, Biological Sciences, (1997-2001)
- Chair, Wallenberg Global Learning Network Steering Committee, (2001- present)

3 OF 5

HONORS AND AWARDS

- Walter J. Gores Award for Excellence in Teaching, University (1977)
- Bing Professor of Human Biology, Human Biology (1987-1993)
- Lorry I. Lokey Business Wire Professor, Biology/Human Biology (1993-present)

3 OF 5

PROFESSIONAL EDUCATION

- PhD, Yale University , Biology (1970)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Neurobiology of sleep, circadian rhythms, regulation of body temperature, mammalian hibernation, and human exercise physiology. We study neural mechanisms controlling arousal states and arousal state transitions, the function of sleep, and the neural mechanisms of circadian rhythms. Research on human exercise physiology

focuses on the effects of body temperature on physical conditioning and performance. The focus on Down syndrome is exploring the mechanism whereby reduction of GABA activity restores learning and memory in DS mice and also in mouse models of Alzheimer's disease.

Teaching

COURSES

2018-19

- Human Physiology Laboratory: BIO 107, HUMBIO 136 (Spr)
- The Human Organism: HUMBIO 4A (Spr)
- Topics in Biology: BIO 390 (Win)

2017-18

- Human Physiology Laboratory: BIO 107, HUMBIO 136 (Spr)

2016-17

- Cell Biology and Animal Physiology: BIO 42 (Win)

2015-16

- Cell Biology and Animal Physiology: BIO 42 (Win)

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STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Nathan Volman

Postdoctoral Faculty Sponsor

Elsa Pittaras

Master's Program Advisor

Tara Shannon, Nikki Tran

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (Phd Program)
- Neurosciences (Phd Program)

Publications

PUBLICATIONS

- **Functional Interactions Between Sleep and Circadian Rhythms in Learning and Learning Disabilities.** *Handbook of experimental pharmacology*
Heller, H. C., Ruby, N. F.
2018
- **A method to reduce heat strain while clad in encapsulating outerwear.** *Journal of occupational and environmental hygiene*
Grahn, D., Makam, M., Heller, H. C.
2018: 1–20
- **A Novel Cooling Method and Comparison of Active Rewarming of Mildly Hypothermic Subjects.** *Wilderness & environmental medicine*
Christensen, M. L., Lipman, G. S., Grahn, D. A., Shea, K. M., Einhorn, J., Heller, H. C.
2017

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