Neuroscience Graduate Program

Course Offerings 2021-2022

Please check the JHU Course Catalog for course details, including prerequisites: <https://somregistrar.jhmi.edu/SOMCourses/Index>

To add/delete courses, please use the change of schedule form:

<https://www.hopkinsmedicine.org/som/offices/registrars/_documents/requests/ChangeOfScheduleForm.pdf>

**2022 Spring Semester**

(updated 11.2.21)

Full semester courses (January 3 – May 20)

**Neuroscience Career Skills**

*3rd & 4th year Neuroscience students only*

ME: 440.724, W 3 - 4pm, 811 WBSB

Marshall Hussain Shuler ([shuler@jhmi.edu](mailto:shuler@jhmi.edu))

**Neuroscience and Cognition II**

ME: 440.812, M/W/F 9 – 10am, Th 9 – 11am

Veit Stuphorn ([veit@jhu.edu](mailto:veit@jhu.edu))

**Quantitative Methods for Brain Sciences**

AS.200.659.01, M/F 12 – 1:15pm

Shreesh Mysore ([mysore@jhu.edu](mailto:mysore@jhu.edu), 410-516-6706)

***(Quantitative Neurogenomics will be offered in Fall 2022)***

**Psychedelics (Year Long course) Spring semester**

(PLEASE NOTE: you MUST register for the second semester of this course in order to get credit for the spring semester.) *Prerequisites: NeuroCog I & II*

ME: 440.817.2 (one Wednesday/month, 4 – 5pm, Rangos 283)

Gül Dölen ([guldolen@gmail.com](mailto:guldolen@gmail.com), 443-287-2091)

**Bodian Seminar Series (Homewood Campus Seminar Series) Spring Semester**

(PLEASE NOTE: you MUST register for the second semester of this course in order to get credit for the spring semester.) *1st & 2nd year students*

AS.080.630, Fall, M 4 – 6pm / AS.080.631, Spring, M 4 – 5pm

Chris Fetsch ([cfetsch@jhu.edu](mailto:cfetsch@jhu.edu), 410-516-0704)

3rd 8-week term (January 3 – March 18)

**Current Issues in Systems and Cognitive Neuroscience**

*Prerequisite: NeuroCog II or permission of instructor*

ME: 440.813, Th 3- 5pm

Jeremiah Cohen ([jeremiah.cohen@jhmi.edu](mailto:jeremiah.cohen@jhmi.edu))

**Writing about the Brain** (recently added to schedule)

*Prerequisites: NeuroCog I AND instructor permission (email Dr. Linden before registering)*

*LIMIT: 6 students*

ME: 440.723, Th 2:30 – 6pm

David Linden ([dlinden@jhmi.edu](mailto:dlinden@jhmi.edu))

**Statistics for Laboratory Scientists I**

140.615.01 (through School of Public Health)

M/W/F 10:30 – 11:20am

4th 8-week term (March 28 – May 20)

**CANCELLED: Emerging Strategies in Understanding Innate Behaviors**

ME: 440.729, day/time TBD

Seth Blackshaw ([sblack@jhmi.edu](mailto:sblack@jhmi.edu), 443-287-5609)

**Grant Writing Skills**

*2nd year students only*

ME:440.823, T/TH 11am – 1pm, 903 PCTB

Seth Blackshaw ([sblack@jhmi.edu](mailto:sblack@jhmi.edu), 443-287-5609)

**Cellular and Molecular Basis of Neural Development II: Regulation of Neural Connectivity**

*NeuroCog I or permission of instructor*

ME: 440.705, T/Th 2 – 4:30pm, 903 PCTB

Alex Kolodkin ([kolodkin@jhmi.edu](mailto:kolodkin@jhmi.edu); 410-614-9499)

Shan Sockanathan ([ssockan1@jhmi.edu](mailto:ssockan1@jhmi.edu); 410-502-3084)

Chris Potter ([cpotter@jhmi.edu](mailto:cpotter@jhmi.edu); 443-287-4151)

**Statistics for Laboratory Scientists II**

*Prerequisite: Statistics for Laboratory Scientists I*

140.616.01, M/W/F 10:30 – 11:20am

**Writing Your First Paper**

*2nd year students only*

ME: 440.730, T, 11am – 12pm, 903 PCTB

Chris Potter ([cpotter@jhmi.edu](mailto:cpotter@jhmi.edu))

**Additional course information**

**Teaching in Neuroscience\***

ME: 440.803

Staff

\*To fulfill teaching requirement. Can be 8-week term or semester length depending on course.

**2021 Fall Semester**

Full semester courses (August 30 – December 17)

**Neuroscience and Cognition I** (full semester)

ME:440.811 (M/W/F, 9 – 10am, 10:15 -11:15am)

Xinzhong Dong (xdong2@jhmi.edu; 410-502-2993)

Rangos 490

**Rigor, Reproducibility and Responsibility in Science** (full semester)

ME: 440.819 (1 – 2:30, select Mondays)

Hita Adwanikar ([hita@jhu.edu](mailto:hita@jhu.edu))

811 WBSB

**Circuits and Brain Disorders** (full semester)

ME:440.820 (T/Th, 10:30am – 11:30pm)

Paul Worley ([pworley1@jhmi.edu](mailto:pworley1@jhmi.edu), 410-502-5489)

Marilyn Albert ([malbert9@jhmi.edu](mailto:malbert9@jhmi.edu), 410-614-3040)

Barry Greenberg ([bgreen45@jhmi.edu](mailto:bgreen45@jhmi.edu) 410-955-1696)

**Structure and Function of the Auditory and Vestibular Pathways**

EN:580.625.01.FA13 (T/TH, 8:30 – 10am, Ross 529)

Kathleen Cullen ([kathleen.cullen@jhu.edu](mailto:kathleen.cullen@jhu.edu), 410-955-3132)

**Theoretical and Computational Neuroscience** (full semester)

AS.080.620 (Tuesdays, 4pm)

Ernst Niebur ([niebur@jhu.edu](mailto:niebur@jhu.edu), 410-516-8643)

**Computational Principles of Biological Vision** (full semester)

ME:440.822 (T/TH, 10:30 – 11:45am)

Ed Connor ([connor@jhu.edu](mailto:connor@jhu.edu), 410-516-8648)

Kristina Nielsen ([knielse4@jhu.edu](mailto:knielse4@jhu.edu), 410-516-5833)

1st 8-week term (August 30 – October 25)

**Neuropharmacology**

ME: 440.709 (F, 2 – 3:15pm)

Jay Baraban ([jbaraban@jhmi.edu](mailto:jbaraban@jhmi.edu), 410-614-6249)

Sol Snyder ([ssnyder@jhmi.edu](mailto:ssnyder@jhmi.edu), 410-955-3024)

2nd 8-week term (October 27 – December 23)

**Trends in the Neurobiology of Aging** (recently added to schedule)

ME: 440.715 (Th, 9 – 10:30am)

Mark Mattson ([mmattso2@jhmi.edu](mailto:mmattso2@jhmi.edu))

**Cell Physiology of Visual and Olfactory Transductions** (recently added to schedule)

ME.440.824 (Th, 3 – 5pm)

King-Wai Yau ([kwyau@jhmi.edu](mailto:kwyau@jhmi.edu))

**2022 Spring Semester**

*(Please note: there will be more courses added as they are confirmed for the spring semester. An updated schedule for the spring semester will be available in October.)*

Full semester courses (January 4 – April 29)

**Neuroscience Career Skills**

ME: 440.724, W 3 - 4pm

Marshall Hussain Shuler ([shuler@jhmi.edu](mailto:shuler@jhmi.edu))

**Neuroscience and Cognition II**

ME: 440.812, M/W/F 9 – 10am, Th 9 – 11am

Chris Fetsch ([cfetsch@jhu.edu](mailto:cfetsch@jhu.edu), 410-516-0704)

**Quantitative Methods for Brain Sciences**

AS.200.659.01, M/F 12 – 1:15pm

Shreesh Mysore ([mysore@jhu.edu](mailto:mysore@jhu.edu), 410-516-6706)

3rd 8-week term (January 24 – March 18)

**Grant Writing Skills**

ME:440.823, T/TH 11am – 1pm

Seth Blackshaw (sblack@jhmi.edu, 443-287-5609)

**Current Issues in Systems and Cognitive Neuroscience**

ME: 440.813, W 3- 5pm

Jeremiah Cohen ([jeremiah.cohen@jhmi.edu](mailto:jeremiah.cohen@jhmi.edu))

**Statistics for Laboratory Scientists I**

140.615.01 (through School of Public Health)

M/W/F 10:30 – 11:20am

4th 8-week term (March 28 – May 20)

**Emerging Strategies in Understanding Innate Behaviors**

ME: 440.729, day/time TBD

Seth Blackshaw ([sblack@jhmi.edu](mailto:sblack@jhmi.edu), 443-287-5609)

**Cellular and Molecular Basis of Neural Development II: Regulation of Neural Connectivity**

ME: 440.705, T/Th 2 – 4:30pm

Alex Kolodkin (kolodkin@jhmi.edu; 410-614-9499)

Shan Sockanathan (ssockan1@jhmi.edu; 410-502-3084)

Chris Potter (cpotter@jhmi.edu; 443-287-4151)

3/28/22

**Statistics for Laboratory Scientists II**

140.616.01, M/W/F 10:30 – 11:20am

**Neurobiology\***

ME:440.718, MWF, 9 – 10:30am

Seth Margolis (smargol7@jhmi.edu; 410-502-5362)

Shigeki Watanabe ([shigeki.watanabe@jhmi.edu](mailto:shigeki.watanabe@jhmi.edu), 410-955-7291)

\*only available to non-neuroscience students.

**Year Long Courses**

**Psychedelics (Recently changed to Year Long)**

ME: 440.817.1 (one Wednesday/month, 4 – 5pm, Rangos 283)

Gül Dölen ([guldolen@gmail.com](mailto:guldolen@gmail.com), 443-287-2091)

**Research in Neuroscience**

ME: 440.800

Staff

**Readings in Neuroscience Journal Club (SOM)**

ME: 440.801, M 3 – 4pm

Hyungbae Kwon ([hkwon29@jhmi.edu](mailto:hkwon29@jhmi.edu),410-955-8421)

**Readings in Systems Neuroscience Journal Club (Homewood)**

ME: 440.810, T 5 – 6pm

Dan O’Connor ([dan.oconnor@jhmi.edu](mailto:dan.oconnor@jhmi.edu), 443-287-8808)

**Current Topics in Neuroscience Seminar Series (SOM)**

ME: 440.802, Th 1-2pm

Jeremiah Cohen ([jeremiah.cohen@jhmi.edu](mailto:jeremiah.cohen@jhmi.edu), 410-502-9193)

**Bodian Seminar Series (Homewood)**

AS.080.630, Fall, M 4 – 6pm / AS.080.631, Spring, M 4 – 5pm

Chris Fetsch (cfetsch[@jhu.edu](mailto:veit@jhu.edu), 410-516-0704)

**Teaching in Neuroscience\***

ME: 440.803

Staff

\*To fulfill teaching requirement. Can be 8-week term or semester length depending on course.