

2017-2018 ANNUAL REPORT OF THE FACULTY HONORS COMMITTEE AND HONORS PROGRAM (COLLEGE OF LETTERS & SCIENCE)

Overview

It is the mission of the L&S Honors Program to enhance and enrich the undergraduate experience for high-achieving and highly motivated students, to provide them with opportunities to engage in research and scholarship with faculty, to create a community within the larger College, to offer high-quality and comprehensive advising, and to promote leadership, service, and engaged citizenship through a liberal-arts education.

This report covers the 2017-2018 academic year and the summer of 2018. The Letters & Science Honors Program currently enrolls 1370 students (vs. 1235 in 2016-17 and 1254 in 2015-16). 344 first-year students matriculated as L&S Honors students in the fall of 2017. In AY 2017-18, 68 students graduated with Honors in the Liberal Arts (HLA), 56 students graduated with Honors in the Major (HM), and 38 completed both tracks earning Comprehensive Honors (CH). The average GPA at graduation was a 3.78. Of the 161 Honors graduates, 64% identified as female and 5.0% identified primarily as a member of a targeted minority group (up from 4.2% and 2.4% of graduates in the previous two years). Students from targeted minority populations made up 10.3% of the total Honors population of 1370; the percentage has increased gradually since 2013.

The L&S Honors Program has an overall budget of close to half a million, detailed as follows:

- \$290,000 general 101 funding for salaries and supplies.
- This was supplemented by \$25,500 of Honors gift endowment income to cover essential operational expenses and student hourly employees.
- Honors also receives an annual allotment of \$192,000 in Undergraduate Initiative Funds, of which up to \$150,000 support instructional costs for departments offering Honors courses and sections that maintain or strengthen our curriculum and \$42,000 are awarded as Honors Summer Senior Thesis research grants.
- The Honors Program supports student research, outreach, travel, and community-building events with endowment income and donor gifts in non-endowed gift accounts. In 2017-2018 Honors received approximately \$72,000 in donated funds.

Staffing

Sabine Gross, Professor of German, Faculty Director, 50% position

Jacqui Guthrie, Associate Director of Academic Services, 100% position

Matt Kohlstedt, Associate Director of Administrative Services, 100% position

Erin Warner, Program Administrator, 75% position

Maria Hartwig, Academic Advisor, 100% position

New Full Time Academic Advisor, 100% position, currently in recruitment. The position is funded with "Advising Improvement Funds" provided by campus for major advising needs.

The Honors Program additionally employs five student hourly undergraduates: three peer advisors and two office assistants.

Total Program FTE: 5.25.

Our staffing gives us one of the smallest FTE-to-student ratio of any of the Honors Programs/Colleges among our Big Ten Academic Alliance (formerly CIC) peer universities. Lean staffing is one of the main – and continuing – challenges of the Honors Program.

2017-2018 Faculty Honors Committee Members

Sabine Gross, German, Chair	2015-
Harry Brighthouse, H; Philosophy	2015-
Jeff Beneker; H: CANES	2017-
Diane Gooding; SS: Psychology	2015 -
Tony Ives, NS: Integrative Biology	2015-2018
Rita Kaushanskaya, SS: Comm. Sciences and Disorders	2015-2018
Stephen Gammie, NS: Integrative Biology	2017-
Julia Miller, Student: Neurobiology major	likely through graduation
Cole Randolph, Student: Music and Economics major	likely through graduation

Ex Officio:

Erin Warner, Program Administrator
Matt Kohlstedt, Associate Director of Administrative Services
Jacqui Guthrie, Associate Director of Academic Services

Admissions

Students mainly join the Honors Program in one of two ways: via initial acceptance to the Honors in the Liberal Arts degree track as incoming freshmen or by declaring Honors in the Major. It is possible to join the Program (by application) anytime, including as a transfer student. Initial acceptance into the Honors Program is not determined by test scores or other numerical data – motivation and interest are crucial factors. An invitation goes out to all applicants who are accepted to the College of Letters & Science. The number of 998 completed applications to the Honors Program in winter/spring 2018 represents a 24% increase in applications from the previous year (808), after an 18% increase from the prior year. Of those applications, 679 students were admitted (vs. 598 in the previous year), an acceptance rate of 68% (down from 74% the previous year). Of these students, 456 decided to attend UW-Madison, an Honors-specific yield rate of 67.2%.

Events and Programs

The Honors Program hosts about 20 events each year, with attendance ranging from 15 to 300-plus guests. A brief list of regular annual events follows.

Fall Kickoff Picnic

The Honors Fall Kickoff outside Washburn Observatory is the first in a series of Honors community-building events for incoming students. On September 5, 2017, we welcomed more than 260 new Honors students who attended the picnic.

First-Year Dinner

The dinner offers first-year Honors students the opportunity to meet faculty and staff, talk to them informally, learn about their career path and personal choices, and ask questions about campus resources, research, disciplinary and career interests, study abroad, and service learning opportunities. 196 first-year students registered – with actual attendance somewhat lower – joined by 26 faculty members and academic staff.

Go Big Read Dinner and Book Discussion

This year's Go Big Read author J.D. Vance canceled his UW-Madison campus appearance. In lieu of the usual Honors/Housing Go Big Read luncheon to discuss *Hillbilly Elegy*, the Honors program hosted a group discussion-and-dinner for 35 Honors students on October 9, 2017 at the University Club, who then attended the campus panel discussion on the book in the Memorial Union theater.

Senior Honors Thesis Symposium

The sixth annual Senior Honors Thesis Symposium was held in April 2018 and featured 29 seniors who shared their research in a professional-style conference.

Welton Summer Sophomore Apprenticeship Program

This program offers an early research experience for which students apply as freshmen or sophomores, funded by an Honors donor, the Welton Family Foundation, and through grants from the Brittingham Fund and the Kemper Knapp Bequest Fund. For the summer of 2018, the Faculty Honors Committee selected 30 apprentices, who worked with faculty and academic staff mentors in 18 different academic departments across five colleges (L&S, Engineering, CALS, Business, and the School of Medicine and Public Health). The Apprenticeship Program includes a dinner with brief presentations from all participants (students and mentors) in May and a workshop to help students prepare for the retreat in July (see below).

Welton Sophomore Apprentice Retreat

In late July, the Program sponsors an annual day-long retreat at Hilltop Farm outside Spring Green for Welton Apprentices and for their faculty and staff mentors, providing a conference-like, yet informal setting for the apprentices to present their projects. Working groups and conversation during meals allow continuing discussion and broader exchange.

Grants and Awards Workshops, Symposium/Retreat Workshops

For all major grant categories – Welton, Trewartha, Summer Research, Leadership Trust – we offer one or several workshops to assist students in putting together a strong application. For the Senior Thesis Symposium and Welton Retreat, workshops focus on public speaking skills and effective strategies for giving an academic presentation.

Curriculum

The Honors Program has no designated faculty; our curriculum, while meeting most Honors students' needs, is entirely dependent on the willingness of L&S Departments to offer Honors-designated courses. This necessitated balancing acts by departments between offering necessary large-enrollment courses and smaller high-impact courses for Honors. While we can provide lecturer replacement funds for some courses (see below, UIF funding, under Grants/Curriculum),

many departments cannot afford to have their faculty diverted from their regular teaching needs to teach Honors courses. Some faculty members teach overloads in order to be able to teach an Honors class. The Honors Program welcomes the College initiative to capture departmental high-impact activities including Honors.

The Honors Program typically offers two Honors-only FIGS. In the fall 2017, we were able to offer just one of the two planned FIGS when a primary faculty member had to change his plans at short notice. *Perspectives on Medicine and Healing* was fully enrolled.

Several Honors in the Major curricula were revised during the fall 2017 semester, for implementation in fall 2018: Journalism, Biochemistry (joint major with CALS), Psychology, Chemistry, and Geography and Cartography. The revisions were triggered either by changes to the regular major curriculum that called for simultaneous changes to the HM curriculum or, for instance in the case of Psychology, an observation by faculty and staff that the curriculum could be changed to improve the student experience. All curricular changes were approved by the Faculty Honors Committee and ratified by the L&S Curriculum Committee.

Honors Program staff and the faculty director continue to work closely with departments as they develop and implement their Honors curriculum, advising them on appropriate Honors course designations, helping them with set-up in SIS, and helping with promotion. We strive to provide students with an Honors curriculum that interests them and has ample variety of disciplines, excellence in instruction, and compelling topics regardless of our lack of hard control over the final decisions made in academic departments.

Curricular administration and student status information

The Honors Program continues to devote resources to Guide implementation and maintenance, mainly assuring that Guide and DARS are aligned where Honors in the Major curricula are concerned. Additional Honors curricular pages have been developed in Guide, to mirror the university's academic structure, and work continues on identifying and implementing workflow for Lumen Programs, which will replace ad hoc memoranda when curricular revisions and new programs are proposed.

As a component of the campus-wide implementation of the "Named Option" policy, Honors programs on campus have changed how they declare, withdraw, and track Honors students. While this change is effective for the fall 2018 semester, most implementation work took place during the spring and summer of 2018. The change will allow campus-level data analysts to answer key questions from leadership about the number of students engaged in this high-impact practice at any time and will allow faster declaration and withdrawal for students.

Finally, in response to faculty requests, the Honors Program worked with the Registrar's Office, DOIT, and the Vice Provost for Teaching and Learning to implement a Canvas update that automatically tracks and denotes student enrollment in the Honors Option of a course. This allows instructors to see enrollment updates in Canvas in addition to their Faculty Center, and allows them to assign and track completion of Honors-specific assignments. The update was put into production for the summer 2018 term.

Advising

By the Numbers

During the 2017-18 school year, the Honors Program Advising Team held 635 individual 30-minute advising appointments, 536 drop-in appointments and responded to 1942 advising-related email inquiries from students. (SOAR contacts are tracked separately and can be found just below). This is achieved with less than 2 FTE professional staff dedicated to advising; a new position to improve the ratio is currently posted.

SOAR Advising

The L&S Honors Program continues to advise at every first-year student SOAR session, and every transfer session that serves incoming Honors transfer admits. During the 2018 summer, we served 404 incoming first-year Honors students over 30 two-day SOAR sessions (this is up by approximately 50 students from the summer prior). 86% of L&S Honors SOAR attendee respondents to a survey about their SOAR experience agreed or strongly agreed with the statement “I am satisfied with the academic advising experience at SOAR”.

To provide sufficient staffing for SOAR, we additionally engaged the support of departmental advisors (in the summer 2018 from the Biology Major, Legal Studies, Computer Sciences, and African Cultural Studies) and with the financial support of CFYE employed a 100% FTE summer graduate intern.

Advising for First-Year Students

The L&S Honors Program Advising staff provides mandatory small-group advising (Honors 181 and Honors 182) for all first-year students in the fall semester. In addition to group advising, first-year students are encouraged to avail themselves of advising via drop-ins, email, and individual appointments with advisors to assure a successful transition to college.

Advising for Graduating Seniors

L&S Honors Program Advisors audit the records of students who intend to graduate in the next two terms and proactively contact students with graduation deficiencies. Additionally, we offer drop-in advising specifically for graduation checks, a service much appreciated by students and parents alike.

Grants and Awards

Curriculum

An annual call in fall semester invites applications from departments seeking funds for lecturer replacement or S&E to enable faculty to teach Honors courses or Honors-only discussion sections. For the 2017-2018 academic year, the Faculty Honors Committee and L&S Honors Program awarded \$150,000 to departments in support of 34 Honors-only courses (23 small-enrollment stand-alone Honors courses and 12 faculty-taught sections of larger courses).

Student Research and Leadership Opportunities

The Faculty Honors Committee recommended funding for grants and awards totaling over \$160,000 to 70 students in several categories:

- 30 Welton Sophomore Summer Research Awards totaling \$75,000
- 12 Trewartha Undergraduate Honors Research Grants totaling \$23,000
- 14 Honors Senior Thesis Summer Research Grants totaling \$42,000
- 1 Mark Mensink Honors Research Grant totaling \$9,400
- 13 Study abroad and conference travel grants totaling \$10,750

National and International Awards

Honors students continued to be successful as candidates for prestigious national and international awards. In 2017-2018, student awardees and nominees included Phoenix Rice-Johnson (Marshall awardee), Jordan Madden (Truman awardee), Kyra Fox (Humanity in Action Fellow and Rhodes Finalist), and Ross Dahlke (Marshall and Rhodes finalist).

Recruitment, Campus Presence, and Diversity Efforts

Honors Programs at large research universities are one of the best bargains in Higher Education. For many of our students, admission to the Honors Program is a significant component of their decision to attend the UW-Madison. The yield rate of students admitted to Honors is significantly higher than the campus rate. (In fall 2018, 67% of students admitted to the L&S Honors Program chose to attend UW-Madison, compared with 34.5% of students overall.)

In cooperation with the Office of Admissions, the Honors Program hosted approximately 45 prospective student information sessions for students and their parents interested in L&S and Honors this year; sessions were led by Matt Kohlstedt, who also took the lead in Honors-specific training for other L&S colleagues involved in recruiting. Over 400 student participants register, and combined with their families the sessions attract more than 1000 registrants annually. Matt Kohlstedt also attended the Office of Admissions prospective student recruitment fair in Milwaukee, held sessions during the fall “Experience Wisconsin” days, and was a panelist and information session participant for the four spring Your UW Days. We regularly send representatives to other campus recruiting events such as those for Chicago Scholars. We have also increased our outreach efforts to other campus partners such as the Chancellor’s Scholars Program, the Powers-Knapp Program, and the Center for Academic Excellence, seeking to build connections that will encourage high-achieving targeted-minority students to seek out Honors.

In February 2018, based on a successful joint application to the Cronon Pathways Fund, the Honors Program collaborated with the Study Abroad Office for a dinner that brought Honors students together with experts on various study-abroad opportunities.

The Honors Director, Associate Director and team members are always available to meet with families individually and answer questions.

Honors has an active presence at other events across and beyond campus such as the Major’s Fair and Summer Collegiate Experience.

Family Day

The Honors Program hosted a Saturday-morning breakfast for the families of Honors students, attended by 62 individuals, on November 4, 2017. The Honors Director provided an overview of

the Honors Program, followed by Q&A for parents (and students) and conversation with the Director and members of the Honors Program team.

The Honors Program seeks to increase and support diversity and inclusion in all its activities. Rather than summarizing engagement and activities here, we append the Honors Diversity/Equity Report for 2017/18.

Community Building, Outreach, and Communication on Campus and Beyond

The Honors On-Line Blog

The Honors Program makes weekly blog posts about opportunities of interest to Honors students such as grant opportunities, study abroad information sessions, Honors course offerings and more. The Honors Online (HOL) weekly emailed newsletter points students to these blog entries. During the 2017-2018 school year, we tracked approximately 2,100 individual page views of blog entries each month, confirming student interest.

Honors Student Organization (HSO)

The Honors Program provides some staff assistance to HSO, a student-led organization that works to build a sense of community among Honors students. In 2017-18, the HSO continued with their monthly Wednesdays@Washburn series hosted in Washburn Observatory. Students select and invite UW-Madison faculty to have a conversation with Honors students in an informal setting over a meal provided by the Honors Program.

Alumni Newsletter “The Honors Challenge”

The annual full-color newsletter of the Honors Program was sent to 6,400-plus alumni and other interested parties as well as faculty engaged in Honors and campus administrators. The November 2017 newsletter featured stories around the theme of “People Places Projects”.

Additional Engagement across Campus

Staff in the L&S Honors Program participated in a number of different campus committees and activities.

- Sabine Gross: University Honors Committee; Faculty Honors Committee (Chair); University Library Committee (Chair); L&S Dean’s Prize Committee (spring 2017); various committees in the Department of German, including Personnel Review committees, departmental Personnel committee, and Reading Room.
- Jacqui Guthrie: Ex-officio member of the L&S Curriculum Committee, Member of Council on Academic Advising (CAA) and the sub-committee on Advisor Titling and Compensation, Orientation Advising Team (OAT), FIG Selection Committee.
- Matt Kohlstedt: University Honors Committee, Beinecke Campus Nominating Committee, Data Wonks Community of Practice, Financial Aid Scholarship User Group, L&S Scholarships Evaluation, Equity & Justice Institute 2016.
- The Honors Program, represented by the Director, is a member of the HIP (High-Impact Practices) Working Group initiated by SAA Associate Dean Cal Bergman. Honors participates in meetings and initiatives, such as the successful September 2017 inaugural HIP information luncheon for faculty.

The L&S Honors Annual Report is sent to key College and Campus administrators.

Speech/Debate Team and JUIS

The L&S Honors Program assumed sponsorship of the UW Forensics Team – now named “WI Speech and Debate Team” – in 2003. Defunct since 1992, Forensics had been resurrected by a core of active students in 2001. The Honors Program assists with grant-writing for coaching and team travel, covers a portion of the salary of the part-time team coach, Ben Jedd, and the Honors Administrator helps with logistics, reservations, and travel arrangements. In 2017-18, team members competed successfully in seven regional and national competitions and held several events on campus.

The Honors Faculty Director serves as advisor for the JUIS (Journal of Undergraduate International Studies) student organization and the Honors Program provides logistical help and oversees the JUIS budget. In 2017, the Honors Director worked with the JUIS donors and the UW Foundation to establish an endowment that will provide stable funding for JUIS.

Serving as a de facto umbrella administrative unit for several Honors-related organizations (HSO, Speech and Debate, Journal of Undergraduate International Studies) is an extension of the Honors mission that the program continues to take on willingly, including successful fundraising for Speech/Debate and JUIS.

L&S Honors Program: Diversity/Equity activities and practices, AY 2017-18

Sabine Gross, Faculty Director, May 2018

I. Recruitment and outreach to targeted-minority students:

- Honors works with Admissions and L&S Academic Affairs. Honors Associate Director participated in the Office of Admissions prospective student recruitment fair in Milwaukee, held sessions during the fall “Experience Wisconsin” days, and was a panelist and information session participant for the Saturday Your UW Day for students of color. He also presented at campus recruiting events for Chicago Scholars, Counselors Observing Wisconsin Schools (COWS), and Badger Pipelines.
- Ongoing engagement with CAE and DDEEA units. We have increased our outreach efforts to campus partners such as the Chancellor’s Scholars, Powers-Knapp, and Posse Programs as well as the Center for Academic Excellence, seeking to build connections that will encourage high-achieving students to seek out Honors. In addition to meetings to share information, the Faculty Director and several senior staff attend CAE and Chancellors/Powers-Knapp (CSPKS) achievement and graduation celebrations and connect with diversity colleagues at numerous events.
- Special attention to targeted-minority status in all selection processes (grants, research awards, admissions)

II. Curricular-based work:

- Encouraging the teaching of Honors components of courses by faculty of color in discussions with departments
- Partnering with departments to create more Honors components of STEM courses at the 100-level. Current efforts focused on Math, with Chemistry a second priority
- Advocating for Honors topics courses that might be of particular interest to students of color, first-gen and other students of diverse backgrounds in conversations with departments (esp. English, History)

III. Honors Staff and Advisory Committee:

- 8-member Honors Advisory Committee currently includes two minority members: one faculty colleague of color and a Posse student as one of the two student members.
- Diversity and Inclusion discussion and sharing of best practices, materials, and ideas as “topic of the week” at several staff meetings throughout the year
- In spring term, Faculty Director encouraged all permanent and part-time Honors team members to sign up for the new UW Challenge (plus poster prominently displayed)
- Faculty Director participated in the four-workshop “Inclusive teaching” series offered for L&S colleagues (very glad I did!); reported back and shared materials with colleagues in Honors (and German/Nordic/Slavic)
- Director and several staff members attend College and campus events such as the Fall 2017 daylong Diversity Forum (including breakout sessions and discussions with colleagues) and the May 2018 Teaching and Learning Symposium (including keynote by Tim Renick on increasing inclusive student success and closing achievement gap at Georgia State)

IV. General practices and efforts around cultural competency and engagement by Honors Advising team:

- Include purposefully welcoming practices and language for individual appointments and group programming; make clear that all students are welcome/deserving to be part of this community, regardless of background; speak specifically to and dispel “myths” about who Honors students are and are not
- Use language that assumes no background in higher ed during group programming and individual appointments, such as explaining what a credit is and the various components of a college course (lec, disc, lab)
- Use pronoun best practices as recommended by LGBTQ Campus Center during group programming and individual appointments
- All advising team staff have extensive inclusivity and intersectionality training (peers prior to SOAR as part of CCAS-led peer training, senior advisor via Art of Advising year-long training and Associate Director via Leadership Institute year-long training; also continuing training at book groups, conferences, etc. depending on staff member) so as to minimize micro-aggressions and maximize welcoming environment
- Maintain familiarity with resources that may be needed by most vulnerable students, such as mental health services, food access services, etc.

V. Other:

- Staff diversity: asked Chancellor’s Scholar advisor and CeO advisor to serve on search committee for new advisor in spring 2018; charged search committee to look for advisors of diverse backgrounds
- Faculty Director-led dinner and book discussion with Honors students on topic of privilege, October 2017
- Two seniors Honors staff members served as mentors for Chancellor’s Scholars in 2017/18
- At BTAA Honors meeting (May 2018), in-depth discussion of inclusion and diversity among Big Ten Honors colleagues

Grant-supported Senior Honors Theses, 2017-2018

Last Name	First Name	Project Title	Advisor First Name	Advisor Last Name	Department
Armon	Alec	State Policy Operatives: The Historic Development of Social Workers as Agents for the Poor in Chile	Stephen	Young	International Studies and Geography
Braza	Meredith	Speech Rate and Intelligibility of School-Age Children with Cerebral Palsy: A Longitudinal Perspective	Katherine	Hustad	Communication Sciences and Disorders
Cao	Travis	Energy Cost and Performance Concerns: An Empirical Study on the Energy Paradox Within Automobile Industry	Matthew	Wiswall	Economics
Converse	Ellen	The Role of Gendered Semantics in Child-Directed Texts	Mark	Seidenberg	Psychology
Day	Jenny	Determining the Role of Annexin A6 in Cell Membrane Repair	William	Bement	Cell Biology and Zoology
Fleddermann	Rachel	Cross-species comparison of sympathetic cardiac innervation and neurodegeneration in common marmosets and rhesus monkeys	Marina	Emborg	Medical Physics
Frelka	Alyssa	Pattern Completion and Memory in Rodents: Behavioral and Cellular Approaches	Peter	Lipton	Neuroscience
Geissler	Jason	Is Timing Everything?: The role of time and conflict intensity in successful third-party interventions	Andrew	Kydd	Political Science
Hobbins	Kevin	Effect of invasive 'jumping' earthworms on tree functioning in the Lakeshore Nature Preserve	Katherine	McCulloh	Botany
Ilic	Samuel	Pricing European Stock Options using Stochastic Volatility: Ornstein-Uhlenbeck model	Bjorn	Eraker	Mathematics
Kalambokidis	Maria	Examining Habitability of Exoplanets; Plate Tectonics, Magnetic Fields, and Directed Evolution in Extraterrestrial Environments	Eric	Wilcots	Astronomy
Kinney	John	Political Polarization: How political opinions are shaped by class	Marcy	Carlson	Sociology
Koenig	Evan	Dark Matter Searches with Mono-Z' Jet	Sridhara	Dasu	Physics
Larson	Lisa	Examining the Effects of Choice in Utility-Value Interventions	Judith	Harackiewicz	Psychology

Levin	Alder	International Eradication Campaigns	Richard	Keller	History of Sci, Med & Tech
Lika	Jorgo	A Drosophila model to investigate the long-term effects of blunt trauma early in development.	David	Wassarman	Genetics
Lundy	Jake	Utilizing Synchrony to Improve Intergroup Interactions	Markus	Brauer	Psychology
Madden	Jordan	The Impact of Restrictive Legislation and Terrorism on Women's Health Clinic Closures and Means-Tested Public Assistance	Jenna	Nobles	Sociology
Pankowski	Anne	Using Nanoparticles to Treat Cartilage Defects in a Sheep Model	Mark	Markel	Zoology
Steinhoff	Ronald	Barriers to Mental Health Service Utilization among Wisconsin's Hispanic Population	John	Zumbrunnen	Political Science
Tost	Marc	Dark matter detection using the CMS detector at CERN.	Sridhara	Dasu	Physics
Wang	Jay	Using transfer learning to classify breast cancer cells with fluorescence imaging	Anthony	Gitter	Statistics and Computer Sciences
Watter	Kyle	Seeing the Forest for the Trees: How Canopy Tree Species Gradients Affect Tree Seedling Recruitment in Northern Wisconsin Forests	Laura	Ladwig	Integrative Biology
Weinberg	Anna	Patterns of Speciation in the copepod <i>Eurytemora affinis</i>	Carol	Lee	Integrative Biology
Wilson-Swokowski	Tye	The Political and Philosophical Considerations of Seneca in Adapting Greek Tragedy	Alex	Dressler	Classics
Zhang	Jerry	Investigating Topological Properties of Semi-metal Alloys	Mark	Rzchowski	Physics

Summer Sophomore Apprenticeship Projects, 2018

First Name	Last Name	Project Title	Mentor First Name	Mentor Last Name	Mentor Dept.
Mackenzie	Berry	Poetry in Translation: Archive & Preservation of Pashto and Persian Poets	Sarah	Farsiu	Asian Languages and Cultures
Ryan	Brown	Utilization of Systemic Molecularly Targeted Radiotherapy to Enhance the Efficacy of Immune Checkpoint Blockade in a Preclinical Model of NSCLC	Ravi	Patel	Human Oncology
Kesong	Cao	A research tool for analyzing human memory retrieval	Joseph	Austerweil	Psychology
Mack	Dern	Busy Directors	Yaron	Nili	Law
Erika	Dinsmore	Compliance in International Human Rights Agreements	Jon	Pevehouse	Political Science
Christopher	DuPre	Mathematical Modeling of the of the Margination of Blood-flow	Saverio	Spagnolie	Mathematics. Affiliate appointment in Chem. and Bio. Eng.
Claire	Evensen	Quantifying transient intermediates in E. coli RNA polymerase productive transcription initiation	Thomas	Record	Biochemistry and Chemistry
Madelyn	Falk	The Changes of Host-Microbe Metabolome During Hibernation	Fariba	Assadi-Porter	Department of Integrative Biology and Comparative Biosciences
Natalie	Feider	Conformational changes of SH3 upon interaction with the DnaK molecular chaperone	Silvia	Cavagnero	Chemistry
Michael	Gui	Defining the Signaling and Downstream Regulation of Neutrophil-Dendritic Cell Development	Bruce	Klein	Pediatrics, Medicine and Medical Microbiology and Immunology
Elizabeth	Haberland-Ervin	Study of Lithium Nickel Manganese Cobalt Oxide Nanoparticles (NMC or LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂) Interaction with a Phosphate Heavy Environment	Robert	Hamers	Chemistry
Stephen	Halada	Fluorescence Kinetic Studies of the Mechanism of Forming and Stabilizing the Open Complex Between RNA Polymerase and Promoter DNA in Transcription Initiation	Tom	Record	Biochemistry and Chemistry
Emma	Jardas	Using Social Media for Alcohol Use Disorder Classification	John	Curtin	Psychology
Mitchell	Keith	CAPTURE of specific DNA and its associated protein content by biotinylated dCas9.	Robert	Landick	Biochemistry and Bacteriology
Andrew	Kressin	Infant Language Learning	Jenny	Saffran	Psychology
Daniel	Latyshev	Attie Lab: Utilizing CRISPR-CAS9 Methodology to Understand Beta Cell Biology	Alan	Attie	Biochemistry

Yuhan	Liu	Automated Defect Analysis in Electron Microscopy Images	Dane	Morgan	MS&E
Maiya	Macalpine	Metabolic Health as a Predictor of Hippocampal Volume and Cerebral Blood Flow	Barbara	Bendlin	Medicine
Anusha	Naik	Discovering RNA Binding Proteins that Control Hematopoiesis	Emery	Bresnick	Cell and Regenerative Biology
Cynthia	Papantonatos	Neural Correlates of Loss of Consciousness During Seizures and During Sleep: A High-Density EEG Study	Melanie	Boly	Neurology
Emily	Perez	The Effect of Production Training on Generalization Ability in Second Language Learning	Maryellen	MacDonald	Psychology
Sydney	Ring	Investigation of an oral bait vaccine for use in reservoir-targeted strategies against Lyme disease	Susan	Paskewitz	Entomology
Benjamin	Rolsma	Tocqueville on the Contours of the Democratic Mind	Richard	Avramenko	Political Science
Lauren	Schilling	The Role of Orthographic-Phonological Scope and Sequence in Basic Reading Skills	Mark	Seidenberg	Psychology
Aditya	Singh	Optimizing Real Time Measurement of Superconducting Qubits	Robert	McDermott	Physics
Zoe	Sippl	The critical timing of cacna2d3 required for habituation	Marc	Wolman	Integrative Biology
Tristan	Skupniewitz	The Changing Nature of International Organizations in Global Governance	Jon	Pevehouse	Political Science
Yajie	Wang	Complexity of strong approximation on the sphere	Naser	Talebizadeh Sardari	Mathematics
Ruimin	Zhang	Online Convex Optimization	Shuchi	Chawla	Computer Sciences
Zonghao	Zou	The Role of Membrane Elasticity in Bacteria Locomotion	Saverio	Spagnolie	Department of Mathematics. Affiliate appointment in Chem. and Bio. Eng.