General Information .................................................................................................................. 1
Overview of Department of Psychology Graduate Programs ..................................................... 1
Information for UWM Graduates and Alumni ......................................................................... 1
Teaching Assistantships ........................................................................................................... 2
Caldini Fellowship Fund .......................................................................................................... 2
Major Professor ....................................................................................................................... 2
Information for Students with Master’s Degrees in Psychology .............................................. 2
Time Limits .............................................................................................................................. 2
Admission Criteria ................................................................................................................... 3
How Many Students are Admitted? .......................................................................................... 3
GPA and GRE Information of Recently Admitted Students ....................................................... 3
Information for Students who did not Major in Psychology .................................................... 3
Information for UWM Undergraduates and Alumni ................................................................. 3
Attrition Information ............................................................................................................. 3
Application Process ................................................................................................................ 4
Graduate School Application .................................................................................................... 4
Deadlines ................................................................................................................................ 5
Interviews for Clinical Applicants ............................................................................................ 5
Interviews for Neuroscience Applicants .................................................................................. 5
Special Guidelines for International Students ......................................................................... 5
Doctoral Program in Clinical Psychology ................................................................................ 6
Administration ........................................................................................................................ 6
Financial Support .................................................................................................................... 6
Applicants with Advanced Degrees ......................................................................................... 6
Coursework .............................................................................................................................. 7
Waiver of Coursework for Applicants with Prior Graduate Work .......................................... 7
Clinical Training and Program of Excellence Training in Scientifically Validated Interventions 8
Master’s Thesis ....................................................................................................................... 8
Doctoral Preliminary Examination .......................................................................................... 8
Dissertation ............................................................................................................................... 8
Clinical Internship ................................................................................................................... 8
Time Limits .............................................................................................................................. 8
Doctoral Program in Neuroscience ........................................................................................... 9
About Neuroscience ............................................................................................................... 9
Financial Support .................................................................................................................... 9
Coursework .............................................................................................................................. 9
Waiver of Coursework for Students with Prior Graduate Work .......................................... 9
Master’s Thesis ....................................................................................................................... 9
Doctoral Preliminary Examination .......................................................................................... 9
Dissertation ............................................................................................................................... 9
Time Limits .............................................................................................................................. 9
Terminal Master’s Program in Health Psychology ................................................................. 10
Coursework and Model Course Plan ....................................................................................... 10
Thesis or Project Defense, Time Limits .................................................................................... 10
Relation of the Master’s Program in Health Psychology to Doctoral Study in Psychology .... 10
Descriptions of Faculty Teaching and Research Interests ....................................................... 11-32

Deadlines

All application materials must be received by:

Ph.D. Programs:
DECEMBER 1, 2018

M.S. Program:
DECEMBER 31, 2018,
and later applications may be considered if openings are available.
Thank you for inquiring about graduate study in psychology at the University of Wisconsin-Milwaukee (UWM)! UWM is located in a vibrant urban setting on Milwaukee’s North Shore close to Lake Michigan. It serves approximately 28,000 undergraduate and graduate students, with the most diverse population of any school in the UW system. UWM is among the nation’s major research universities. It is one of only 115 universities nationwide to receive the highest rating for a research institution (Research 1, also known as R1) from the Carnegie Classification of Institutions of Higher Education.

The Psychology Department places a premium on excellence in teaching and scholarly research. As a result, we are one of the most dynamic and productive departments on the UWM campus. The faculty are recognized experts in their various disciplines as well as accomplished teachers. Our clinic provides psychotherapy and assessment services to both the UWM campus and the greater Milwaukee community.

Perhaps the best indicator of our success, however, is the quality of our students. Our graduate students have been extraordinarily successful in research and scholarship. Together with faculty, they publish cutting-edge research. They successfully compete for national scholarships, grants and awards. They consistently secure postgraduate positions at some of the most prestigious universities in the country as well as employment in industry, government and academia.

The Psychology Department offers two graduate degrees: the Ph.D. in Psychology and the M.S. in Psychology.

We are currently accepting applications to two of our Ph.D. programs (both of which include earning the M.S.):

- Clinical Psychology (accredited by the American Psychological Association)
- Neuroscience*

*Please note that the Department of Biological Sciences and several other departments also offer opportunities for doctoral study in neuroscience.

Although we are not currently accepting applications to our Health Psychology Ph.D. program, we are accepting applications to our terminal M.S. program:

- Health Psychology

Note that our doctoral programs are actually combined M.S./Ph.D. programs (although applicants with advanced degrees are also encouraged to apply; see pp. 2, 6 and 9 for more information for students with advanced degrees). All programs train students in the facts, methodologies, and theories of psychology, with special emphasis on developing research competence. The department has well-equipped laboratories and an on-campus training clinic. The city of Milwaukee provides additional opportunities for training at such facilities as hospitals, social service agencies, and the Medical College of Wisconsin. Detailed program descriptions begin on p. 6.

The department refers students interested in Counseling Psychology or School Psychology to the Department of Educational Psychology (http://uwm.edu/education/) in the School of Education.

Information for UWM Undergraduates and Alumni

We believe that it is important for graduate students to learn and work with a range of faculty during their training. Therefore, students with bachelor's degrees from UWM who majored in psychology are not eligible to apply for admission to our doctoral programs unless they have earned a master's degree in psychology or neuroscience at a different institution. Similarly, those who double-majored in psychology and another subject at UWM are not eligible to apply to our doctoral programs. However, UWM undergraduates who majored in psychology are eligible to apply for admission to the terminal master's program.

In addition to the information in this brochure, information about our programs and faculty can be found at our website: http://uwm.edu/psychology/
Teaching Assistantships

Most of the students in the doctoral programs are funded via academic-year teaching assistantships (or, sometimes, research assistantships or project assistantships), which require approximately 20 hours of work per week. Teaching assistants usually lead discussion or laboratory sessions. Teaching assistants are paid a stipend (approximately $13,750 per academic year, with no payments in the summer). In addition to their stipends, teaching assistants receive full remission of tuition as well as benefits such as health insurance. Please note that due to insufficient funds, the department does not offer teaching assistantships or other assistantships to students in the terminal master's program.

Cialdini Fellowship Fund

Based on a review of all admission applications, two outstanding doctoral admittees will be selected for the Cialdini Fellowships. In addition to their departmental teaching assistantship salaries, each Cialdini Fellow will receive a stipend of $5,000 per year. Contingent on satisfactory progress and maintenance of good standing in the program, each awardee's $5,000 fellowship will be renewable annually for a total of four years of support (i.e., 2019-2020 through 2022-2023: a total of $20,000).

These fellowships were made possible by a generous gift to UWM from Dr. Robert Cialdini '67 and Bobette Gorden. An internationally recognized social psychologist, Dr. Cialdini is an alumnus of our department who received UWM's Lifetime Achievement Award in 2015. A regents' professor emeritus at Arizona State University, he is the CEO and President of Influence at Work, focusing on ethical influence training, corporate keynote programs, and the CMCT (Cialdini Method Certified Trainer) program. His books, including the New York Times bestseller Influence: Science and Practice, are the result of decades of peer-reviewed research on why people comply with requests. Ms. Gorden is the Vice President of Influence at Work and the President of New Information Presentations, an international speakers bureau representing more than 1,000 celebrities, experts, authors, and sports stars.

Major Professor

All graduate students must have a major professor (adviser) to oversee their progress and to supervise their research. It is, therefore, important that potential major professors be considered very carefully on the application. Entering students will be assigned to one of the major professors they have chosen during the admissions process. The department also has a Graduate Program Coordinator who advises students about courses and programs of study.

Information for Students with Master's Degrees in Psychology

Students admitted to the doctoral programs who already have a master's degree in psychology or neuroscience that included an empirically based master's thesis are exempt from the requirement of having to earn the M.S. at UWM. Students admitted with a master's degree in psychology or neuroscience that did nor include a thesis must complete a thesis at UWM. In many cases, students admitted to the doctoral program with master's degrees in psychology or neuroscience are allowed to waive some of their UWM coursework based on courses they took in their master's programs.

Time Limits

Departmental regulations stipulate that students in the doctoral programs must be full-time students; no part-time study is allowed. Doctoral students must earn the M.S. within three years of enrolling (by March 10 of their third year for most favorable consideration within the teaching assistant priority system), and they must earn the Ph.D. within seven years of enrolling (exclusive of the internship year for clinical students). The terminal master’s program in health psychology has a time limit of seven years for earning the M.S. to allow for the possibility of part-time study.
Admission Criteria

Admission is very competitive. It is based on the evaluation of an applicant’s entire record. In evaluating each application, the Admissions Committee examines such factors as GPAs, GRE scores, courses taken, research record, and letters of recommendation (three letters are required). See below for the average GPA and GRE scores of recently admitted students. To be considered for admission, an applicant must also meet the Graduate School’s general admission requirements. http://uwm.edu/graduateschool/admission/

How Many Students Are Admitted?

Students work in close association with their major professors. The student: major professor ratio is about 5:1. Given this ratio, the department has room for approximately 70 graduate students, with about 12 new students admitted each year to the doctoral programs. About 1 or 2 students are admitted each year to the terminal M.S. program. A total of 173 students applied to the clinical doctoral program and 30 applied to the other doctoral programs for Fall, 2018. Eleven applicants were accepted to the doctoral programs as follows: a) 9 females, 2 males; b) 6 clinical, 5 other; c) 0 applicants with master’s degrees.

GPA and GRE Scores of Recently Admitted Students

The Graduate Admissions Committee is often asked about requirements for admission into the graduate program, in particular whether there is a minimum grade-point average and Graduate Record Examination score. Below are summary statistics on students recently admitted to the doctoral programs. Average scores are included.

<table>
<thead>
<tr>
<th>GPA and GRE Scores of Recently Admitted Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPA, all courses, 4 yrs.</td>
</tr>
<tr>
<td>GRE, Verbal</td>
</tr>
<tr>
<td>GRE, Quantitative</td>
</tr>
<tr>
<td>GRE, Writing</td>
</tr>
</tbody>
</table>

Information for Students Who Did Not Major in Psychology

Students without an undergraduate major in psychology may be considered for admission provided the following courses are completed: psychological statistics, a laboratory course in research methods in psychology, and an advanced laboratory course in psychology. Students with one of these courses may be considered for admission, but the remaining two courses must be completed within three semesters of enrollment. No course credits earned in making up deficiencies may be counted as program credits required for the degree. Students satisfying only this very minimal requirement should understand that additional work may be required to enroll in specific graduate level courses.

Information for UWM Undergraduates and Alumni

As was stated on p. 2, students with bachelor’s degrees from UWM who majored in psychology are eligible to apply for admission to the terminal master’s program, but are not eligible to apply for admission to the doctoral programs unless they have earned a master’s degree in psychology or neuroscience at a different institution. Double-majoring in psychology and another subject as an undergraduate at UWM does not make a student eligible to apply to the doctoral programs.

Attrition Information

In the last five years, including the 2017-2018 academic year, 62 students have been admitted to our doctoral programs. Of these, 7 have graduated with the Ph.D., 7 have dropped out after earning the M.S., 1 has dropped out without earning any degree, and the remaining 47 are continuing students. In the last five years, including the 2017-2018 academic year, 8 students have been admitted to our terminal master’s program in Health Psychology. Of these, 3 have graduated with the M.S., 2 have applied to and been accepted by our Ph.D. program before earning the M.S., 1 has dropped out without earning any degree, and 2 are continuing students.
Application Process

Beginning students are accepted for the Fall Semester. Prospective students must apply directly to the Graduate School.

http://uwm.edu/graduateschool/admission/

In the graduate school application, you should indicate whom you would like to serve as your major professor. If you are admitted, every effort will be made to honor your first request as to choice of major professor, but it is not always possible to do so. Most students in the clinical doctoral program choose clinical faculty as advisers; however, some students combine study and research in a non-clinical specialty with the clinical program and, therefore, choose a major professor from the non-clinical faculty. Similarly, most students applying to the neuroscience doctoral programs choose advisers within the neuroscience program, but sometimes choose an adviser in the clinical program.

Because graduate study in psychology is highly individualized, applicants should read the material carefully and identify potential faculty advisers whose interests are compatible with their own. Do not hesitate to e-mail, write, phone, or if possible, visit a potential major professor/adviser.

Information regarding academic rules and regulations, financial assistance, student services, etc., can be located on the Graduate School web site:

http://uwm.edu/graduateschool/

Graduate School Application

The graduate school application can be completed at this address online:

https://graduateschool-apply.uwm.edu/

The following items must be submitted for your application to be considered complete: unofficial transcripts from each undergraduate and graduate school that you attended, reasons statement, three letters of recommendation, official score report of the Graduate Record Examination and a non-refundable $75 base application fee.

Please Note: Students currently enrolled in a Masters or Ph.D. program within the department who wish to switch to a different program within the department are required to reapply.

Deadlines

All application materials must be received by:

Ph.D. Programs:
DECEMBER 1, 2018

M.S. Program:
DECEMBER 31, 2018, and later applications may be considered if openings are available.
**Deadlines**

Those applying to a Ph.D. program should complete their application to the graduate school so that it is received by **December 1, 2018**. Applicants to the terminal M.S. program should complete their application to the graduate school so that it is received by **December 31, 2018**. Applicants who meet these deadlines and are accepted into the program can typically expect to receive information about their acceptance as early as late February to as late as late April. Notification of non-acceptance is usually made by May 1.

**Interviews for Clinical Applicants**

Finalists who are being considered for admission to the Ph.D. program in clinical psychology will be interviewed. In-person interviews will be held on January 25, 2019. Invitees who cannot attend these interviews will be contacted by telephone at approximately the same time as the in-person interviews. Only top candidates will be interviewed. There may be later interviews if further openings become available.

**Interviews for Neuroscience Applicants**

The highest ranking candidates who are being considered for admission to the Ph.D. program in neuroscience will be interviewed. Neuroscience Interview Day will be held on February 1, 2019. Only top candidates will be invited.

**Special Guidelines for International Students**

International students are required to follow additional instructions that are listed at this web page:

[http://uwm.edu/cie/international-admissions/application-requirements/](http://uwm.edu/cie/international-admissions/application-requirements/)
The Ph.D. program in clinical psychology is accredited by the American Psychological Association* and follows the Boulder (scientist-practitioner) model. The UWM Clinical Psychology Program is also a member of The Academy of Psychological Clinical Science, which is a coalition of doctoral training programs that share a common goal of producing and applying scientific knowledge to the assessment, understanding, and amelioration of human problems. In addition, the program is a member of the Child Clinical and Pediatric Psychology Training Council (CCaPPTC). Our program is committed to excellence in scientific training, and to using clinical science as the foundation for designing, implementing, and evaluating assessment and intervention procedures. Students gain competence as scientists by reviewing basic and applied literatures relevant to clinical psychology and by conducting research under the direction of their major professor each semester. Students gain competence as practitioners by completing seminars, practica, and community placements in private and institutional settings. Although it is expected that some clinical students may emphasize either the basic or applied aspects of the Boulder model, the goal is excellence and integration of both areas. Evaluation of students is based on performance in courses, clinical teams, practica (clinical skills, ethical behavior, accepted professional behavior), a preliminary examination, and on the quality of their master's and doctoral research.

Most students in the clinical doctoral program choose clinical faculty as advisers; however, some students combine study and research in a non-clinical specialty with the clinical program and, therefore, choose a major professor from the non-clinical faculty.

*UWM’s Clinical Psychology Program is Accredited by the American Psychological Association. Please use the contact information below to contact APA:

Office of Program Consultation and Accreditation
750 First Street, NE
Washington, DC 20002-4242
Phone: 202-336-5979

Financial Support

All students admitted to the doctoral program in clinical psychology receive academic-year financial support, usually in the form of teaching assistantships, which include not only a stipend (approximately $13,750) but also full remission of tuition, and benefits such as health insurance. This financial support is offered yearly, contingent on progress and availability of funds, and it is typically available for at least the first three years. See p. 2 of this brochure for more information about assistantships and other forms of financial support.

Applicants with Advanced Degrees

Individuals with advanced degrees, usually in psychology or neuroscience, are eligible to apply to the doctoral program in clinical psychology. However, no more than two students with M.A./M.S. degrees in clinical psychology will be accepted into the Clinical Ph.D. program in any given academic year.
Coursework

The minimum degree requirement is 54 graduate credits beyond the bachelor's degree, at least 27 of which must be earned in residence at UWM. Students in psychology may earn more than 54 credits to satisfy the specific requirements of the program.

1. Clinical Courses

Students in the clinical program satisfy their major by completing a sequence of required clinical courses, which can be seen in the table below. Note that in addition to classroom courses, students in the clinical program must also complete a sequence of practicum courses for a minimum of 400 hours of training in assessment, diagnosis, therapy, and professional practice; and later, a pre-doctoral, extramural, full-time (2000 hour) internship.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>Assessment I (831)</td>
<td>Clinical Research Methods (710)</td>
</tr>
<tr>
<td></td>
<td>Developmental Psychopathology (912)</td>
<td>First Year Clinical Psychology Practicum (802)</td>
</tr>
<tr>
<td></td>
<td>First Year Clinical Practicum (802)</td>
<td></td>
</tr>
<tr>
<td>Year 2</td>
<td>Professional Ethics and Issues in Clinical Psychology (712)</td>
<td>Assessment II (832)</td>
</tr>
<tr>
<td></td>
<td>Practicum in Assessment (821)</td>
<td>Empirically Supported Interventions (742)</td>
</tr>
<tr>
<td></td>
<td>Foundations of Psychotherapy (741)</td>
<td>Practicum in Empirically Supported Interventions (845)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Practicum in Assessment II (822)</td>
</tr>
<tr>
<td>Year 3</td>
<td>Practicum in Therapy (842)</td>
<td>Practicum in Therapy (842)</td>
</tr>
<tr>
<td>Year 4</td>
<td>Community Placement in Clinical Psychology (811)</td>
<td>Community Placement in Clinical Psychology (811)</td>
</tr>
<tr>
<td>Year 5</td>
<td>Community Placement in Clinical Psychology (811, optional)</td>
<td>Community Placement in Clinical Psychology (811, optional)</td>
</tr>
</tbody>
</table>

2. Statistics requirement: Students must complete the two-semester introductory statistics sequence (Psychology 510 and 610).

3. History of psychology requirement: Students must complete a course in the history of psychology (Psychology 750).

4. Breadth requirement: Students follow American Psychological Association requirements and must complete three breadth courses, which consist of one course from each of the following three areas: cognitive/affective bases of behavior, biological bases of behavior, and social bases of behavior.

5. Multicultural requirement: Students must complete a course in multicultural issues in clinical or counseling psychology.

6. Developmental psychology requirement: Students must complete a graduate level lifespan developmental psychology course.

Waiver of Coursework for Students with Prior Graduate Work

Equivalent coursework taken elsewhere as a graduate student may substitute for one or more of the courses described above. Waiver of a required practicum course requires the consent of the major professor, and the DCT. Waiver of a required lecture course requires the consent of the major professor, the instructor of the course in question, and the DCT. Demonstration of proficiency is typically required before a waiver is granted.
Clinical Training and Program of Excellence in Scientifically Validated Interventions

Students receive a minimum of eight semesters of clinical training. During their first three years in the program they receive both assessment and intervention training from the clinical faculty at the department's on-campus clinic after which they work in various community agencies under the supervision of adjunct faculty. Some of the community agencies involved in the department's training program include Children's Hospital of Wisconsin, the Zablocki Veterans Affairs Medical Center, the Medical College of Wisconsin Behavioral Medicine and Clinical Neuropsychology services, and Rogers Memorial Hospital. A criminal background check is required once admitted, and may affect placement. The Clinical Psychology program was recognized with a “Program of Excellence in Scientifically Validated Behavioral Interventions” grant from NIH, which resulted in further development of our curriculum in scientifically validated interventions for various psychological conditions. While offerings vary by year according to faculty interests and availability, we currently offer specialized training in prolonged exposure for PTSD and cognitive-behavioral therapy for anxiety, treatments for childhood elimination disorders, treatments for eating disorders, and cognitive behavior therapy for anxiety. Specialized training in Clinical Neuropsychology is also available in collaboration with our community partners. Upon successful completion of our program, students will have been trained as competent generalist psychologists as they have always been. However, students will also graduate with specialized training in the competent administration-delivery of assessment and treatment in specific empirically-supported interventions.

Master’s Thesis

The student, under the direction of his or her major professor, must develop an acceptable thesis based on empirical research. The student must pass an oral examination in defense of the thesis. Note: Students who, upon admission, already have a master's degree in psychology that included an empirically based master's thesis are exempt from the requirement of having to earn the M.S. at UWM, pending approval by the student's UWM adviser and the DCT. Students admitted with a master's degree in psychology that did not include a thesis must complete a thesis and earn the M.S. at UWM.

Doctoral Preliminary Examination

To advance to doctoral candidacy, students must pass a preliminary examination in clinical psychology after they earn the M.S., and within five years of enrolling.

Dissertation

The candidate must write an empirically-based dissertation that demonstrates the ability to formulate a research topic and pursue an independent and original investigation, and must pass an oral examination in defense of the dissertation.

Clinical Internship

An extramural, one-year, full-time 2000 hour internship is required. Students must pass their preliminary examination and dissertation proposal before applying for internship. It is recommended that they pass their doctoral dissertation defense before beginning internship. This internship must be completed at an APA-accredited site, or one approved by the department's Clinical Training Committee. Students from UWM have been very successful in obtaining internships at highly competitive sites across the country. In recent years, UWM’s clinical psychology students have completed internships at Texas Children’s Hospital, University of Chicago, Zablocki Milwaukee VA Medical Center, Duke University Medical Center, University of Mississippi Medical Center, University of California-San Diego, Brown University Medical School, University of Cincinnati Medical Center, Seattle VA, Houston VA, and Harvard Medical School/Massachusetts General Hospital.

Time Limits

Doctoral students must earn the M.S. within three years of enrolling (by March 10 of their third year for most favorable consideration within the teaching assistant priority system), and they must earn the Ph.D. within seven years of enrolling (exclusive of the internship year).


**Doctoral Program in Neuroscience**

The Ph.D. program in neuroscience follows an apprenticeship model in which the student is exposed to individualized research experiences within the laboratory of his or her major professor and, in many cases, other faculty as well. This research training is accompanied by an integrated set of courses and seminars. Throughout, major emphasis is placed on the role of the neuroscientist as a scholar - a person who can advance neuroscience through original research.

**About Neuroscience**

Neuroscience is devoted to the study of the nervous system. The curriculum is designed to provide students with the intellectual and technical skills necessary for a productive career in academics or industry. Students are part of the greater Milwaukee Area Neuroscience group, which includes faculty members and students from various departments at UWM, the Medical College of Wisconsin, and Marquette University. Students learn a wide range of techniques working with laboratory animals and human subjects. These include experimental design, behavioral testing and analysis, neurophysiology, aseptic surgical techniques, quantitative protein and mRNA assays, immunohistochemistry, eyetracking, and functional magnetic resonance imaging (fMRI). Current research topics include cellular and molecular mechanisms of learning and memory; mapping brain areas involved in memory and emotion in humans and rodents using fMRI; effects of exercise on cerebral blood flow; mechanisms of recovery from brain damage; visual attention; effects of aging on learning and memory; and the role of calcium and calcium-binding proteins in ischemic cell death.

**Financial Support**

All students admitted to the doctoral program receive academic-year financial support, usually in the form of teaching assistantships, which includes a stipend (approximately $13,750 per academic year), full remission of tuition, and benefits such as health insurance. See p. 2 of this brochure for more information about assistantships and other forms of financial support.

**Coursework**

The minimum degree requirement is 54 graduate credits beyond the bachelor’s degree, at least 27 of which must be earned in residence at UWM. Students in psychology may earn more than 54 credits to satisfy the specific program requirements. The Neuroscience curriculum includes four core courses (behavioral neuroscience, cellular and molecular neuroscience, cognitive neuroscience, and proseminar in biological psychology). Other required courses include a two-course statistics sequence, seminar in neuroscience (three semesters of official enrollment), and three electives, chosen in consultation with the major professor.

**Waiver of Coursework for Students with Prior Graduate Work**

Equivalent coursework taken elsewhere as a graduate student may substitute for one or more of the courses described above. Waiver of a required course requires consent of the major professor and the instructor of the course in question.

**Master’s Thesis**

The student, under the direction of his or her major professor, must develop an acceptable thesis based on empirical research. Candidates must pass an oral examination in defense of the thesis. Note: Students who, upon admission, already have a master’s degree in psychology or neuroscience that included an empirically based master’s thesis are exempt from the requirement of having to earn the M.S. at UWM. Students admitted with a master’s degree in psychology or neuroscience that did not include a thesis must complete a thesis and earn the M.S. at UWM.

**Doctoral Preliminary Examination**

To advance to doctoral candidacy, students must pass a preliminary examination in their major area after they earn the M.S., and within five years of enrolling.

**Dissertation**

Candidates must write an empirically-based dissertation that demonstrates the ability to formulate a research topic and pursue an independent and original investigation. Candidates must pass an oral examination in defense of the dissertation.

**Time Limits**

Doctoral students must earn the M.S. within three years of enrolling (by March 10 of their third year for most favorable consideration within the teaching assistant priority system), and they must earn the Ph.D. within seven years of enrolling.
Health psychology is concerned with the psychological variables that influence physical health and illness. The M.S. program in health psychology offers training in research and theories relevant to health promotion. The program of study consists of core health psychology coursework, research coursework, psychology breadth coursework, and an optional field placement. Current research topics include gender and health, cancer prevention and health education, reproductive health and STD prevention, patient advocacy and self-care behaviors, the effects of stress and mechanisms of coping with it, and child abuse prevention. Research is conducted in the laboratory as well as in clinical settings and many of the faculty have strong ties to the Milwaukee community.

Note: Because of budget limitations, the department does not offer teaching assistantships or other assistantships to students in the master's program in health psychology.

Coursework and Model Course Plan

Coursework includes 36 credits distributed as follows (Course substitutions are permissible with the director's approval):

1. Twelve credits in core Health Psychology courses. All students must take Psych 955 (Seminar in Social Psychology and Health), and any three of the following courses: Psych 711 (Current Topics, only when the topic is Child Health Psychology or another topic directly relevant to health), Psych 754 (Proseminar in Biological Psychology), Psych 756 (Psychophysiology), Psych 833 (Neuropsychology), Psych 854 (Behavioral Neuroscience), Psych 930 (Seminar in Social Psychology), or Psych 954 (Seminar in Physiological Psychology). These core courses introduce students to research, theories, and applications of health psychology.

2. Fifteen credits in research courses: Psych 510 (Advanced Psychological Statistics), Psychology 610 (Experimental Design), Psych 932 (Proseminar in Evaluation Research), and six credits of Psych 790 (Independent Research) for those selecting the thesis option or six credits of Psych 791 (Master's Project for Master's Students) for those selecting the project option. These courses prepare students for conducting basic and applied research.

3. Nine credits in psychology breadth courses (virtually any psychology graduate-level course not listed above).

4. Although students are exposed to theories and applications in coursework, field placements offer further opportunity to apply theory. Students are encouraged to complete at least 3 credits of 812 (Field Placement in Psychology) in their area of interest.

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
</tr>
<tr>
<td>Advanced Psychological Statistics (510)</td>
<td>Experimental Design (610)</td>
</tr>
<tr>
<td>Seminar in Social Psychology and Health (955)</td>
<td>Seminar in Evaluation Research (932)</td>
</tr>
<tr>
<td>Core Selection 1</td>
<td>Core Selection 2</td>
</tr>
<tr>
<td>Breadth Selection 1</td>
<td>Breadth Selection 2</td>
</tr>
<tr>
<td><strong>Year 2</strong></td>
<td></td>
</tr>
<tr>
<td>Core Selection 3</td>
<td>Breadth Selection 3</td>
</tr>
<tr>
<td>Master's Research (790)</td>
<td>Master's Research (790)</td>
</tr>
<tr>
<td>Field Placement in Psychology (812)</td>
<td>Defend Thesis</td>
</tr>
</tbody>
</table>

Thesis or Project, Time Limit

The student, under the direction of an adviser, has the option of developing either a thesis based on empirical research or a project (a review or theoretical paper). If the student chooses the thesis option, he or she must pass an oral defense of the thesis. The student must complete all degree requirements within seven years of initial enrollment.

Relation of the Master’s Program in Health Psychology to Doctoral Study in Psychology

The M.S. program in health psychology is self-contained and primarily prepare students for work within the community. However, the emphasis on research training and basic principles also prepares students for doctoral studies. Some students may change their goals and wish to pursue a doctoral degree. Such students, if they do not have an undergraduate psychology major from UWM, are eligible to apply for admission to the department's doctoral programs. However, please note that the department's doctoral programs are highly competitive. Admission is neither automatic nor guaranteed. Applications from students in the M.S. specialization in health psychology are not given preferential treatment in the doctoral admission process.
All graduate students must have a major professor (adviser) to oversee their progress and to supervise their research. It is, therefore, important that potential major professors be considered very carefully on the graduate school application. Only those individuals listed in the graduate school application have openings for new students for the coming year. Those offered admission will be assigned to one of the major professors they have chosen during the application process. Faculty interests are briefly described in the following pages. For more detailed information about faculty members please visit:

http://uwm.edu/psychology/our-people/
Shawn Cahill, Associate Professor
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Teaching and Research Interests

My research background and clinical interests are in the nature and treatment of anxiety, especially posttraumatic stress disorder, obsessive-compulsive disorder (OCD), panic disorder, and social anxiety disorder. Although I continue to have interests in these areas, since moving to UWM, a major focus in my lab has been on the nature and consequences of sexual assault with an interest in working towards the development of interventions to reduce the incidence of sexual assault. Ongoing and recently completed research projects in the lab include investigations into the nature of women’s reactions to the threat of sexual assault in the context of dating, evaluation of the psychometric properties of a questionnaire designed to assess the frequency of various forms of sexual victimization and perpetration of sexual assault, and the motivation for engaging in non-suicidal self-injury. In addition, the lab is in collaboration with Dr. Brad Riemann, Director of the OCD treatment programs at nearby Rogers Memorial Hospital, to help them evaluate the effectiveness of their various treatment programs. I view graduate students as junior colleagues who are expected to participate at all levels of lab projects, from developing a new idea all the way to submitting manuscripts reporting research results. Learning also occurs through teaching; it is expected that graduate students will serve as mentors to undergraduate research assistants, many of whom we hope will also consider a career in psychology. On the clinical and teaching end of things, I teach or contribute to several of the core courses in evidence-based interventions for psychological disorders and provide specialized training in the administration of cognitive behavior therapy for the treatment of anxiety through the department Psychology Clinic. I also teach an undergraduate course on basic conditioning and learning.

Recent Publications


Teaching and Research Interests

My clinical, teaching, and research interests center on the adjustment of children and families under conditions of severe stress. Current projects focus on empirical research ethics, prevention of the Choking Game, pediatric chronic pain, behavioral treatment of constipation and feeding disorders, parent-child communication, and infant-parent bed-sharing and room-sharing.

Recent Publications


Teaching and Research Interests

My work is focused on understanding brain changes as early predictors of cognitive deficits and dementia, and the role for hormones and genetic background as modulators of age-related cognitive decline. The function of the hippocampus and the nature of amnesia in aging and Alzheimer's disease are of particular interest. Current research objectives include: 1. Investigating the nature of genetic risk for age-related cognitive decline, the underlying neural circuitry and dynamics, and the role of hormone treatment as a modifier. 2. Investigating factors that reduce the risk of cognitive decline and dementia. 3. Understanding the function of the hippocampal formation and the anatomical and functional organization of learning and memory, in general. 4. Spatial navigation, sexually dimorphic behavior and hormones.


Recent Publications


Teaching and Research Interests

I conduct both laboratory and field research in several areas of health psychology, including emotion, anxiety, stress and coping, and symptom perception. My current research focuses on laboratory and field investigations of the contributions of the autonomic nervous system to the genesis and maintenance of emotion and anxiety. Recently completed work in my lab has looked at the role of unrecognized autonomic arousal on cardiovascular reactivity during emotion; the importance of cognitive and autonomic correlates of worry in anxious individuals; and, the role of autonomic arousal in symptom perception. Current research projects include an investigation of the role autonomic arousal plays in the generation of emotion, an investigation of how mindfulness may reduce cardiovascular responses to routine daily stressors, and a laboratory study of the effects of peripheral efferent and afferent signals on negative affect. I also conduct research on the importance of perceived control over learning on student engagement, student learning, and academic success.

I teach Psychophysiology (656/756) and the required graduate statistics sequence (510, 610).

Recent Publications

* Student Author


Teaching and Research Interests

The primary focus of my research is to understand how aging, sex-steroid hormones, and environmental factors affect hippocampal function and hippocampal-dependent memory. This work is motivated by the rapidly expanding elderly population worldwide, which will greatly increase the prevalence of age-related cognitive decline and dementia. Our ultimate goal is to help mitigate the impact of cognitive aging on the individual and society by facilitating the development of treatments to reduce or prevent age-related memory decline in humans.

To this end, we use rodents as research subjects because rodent species offer an unparalleled opportunity to examine systems-level and cellular-level questions about memory formation in a mammalian system where the effects of aging, hormones, and environmental stimulation are similar to those in humans. Our studies combine a variety of approaches including behavioral, biochemical, pharmacological, genetic, and anatomical methods in order to gain a more detailed picture of the molecular mechanisms underlying the effects of aging, estrogens, progestins, and environmental enrichment on the hippocampus and hippocampal memory formation.

Our main research interests center upon pinpointing the molecular mechanisms through which estrogens and progestins affect memory in adult and aging female and male mice. In this research, we identify the receptors, cell signaling molecules, epigenetic and genetic processes, and protein translation pathways critical for these hormones to enhance hippocampal memory. In related lines of research, we are examining the extent to which estrogens synthesized within the hippocampus regulate learning and memory formation, how the dorsal hippocampus and medial prefrontal cortex interact to mediate estrogen’s effects on memory. Other current projects focus on the role of Wnt signaling in learning and memory. Past projects have sought to understand the ways in which environmental enrichment (e.g., exercise, cognitive stimulation) alters memory and hippocampal function throughout adulthood and to characterize sex differences hippocampal memory in rodents and humans.

I teach The Aging Brain, Hormones and Behavior, and Introduction to Psychology.

Recent Publications


Teaching and Research Interests

The Sensory Neuroscience, Attention, and Perception Laboratory (SNAP Lab) aims to understand how our momentary behavioral goals are translated into neural signals that determine which sensory items are selected and which are ignored. More generally, we ask how attention brain mechanisms guide our behavior? In answering this question, we investigate both how perceptual objects (vision, audition, etc.) are assembled by sensory systems, and how attention selects these objects for later processing by memory & motor systems. We’re also interested in how attention can be impaired in patient populations (cancer, spatial neglect, etc.). We adopt a systems-level neuroscience approach in which multimodal brain imaging techniques are integrated with psychophysical methods and computational modeling. However, all work conducted in the SNAP Lab is firmly grounded in behavioral effects. Functional brain imaging methods used in the lab combine both correlative (fMRI) and interference (TMS) methods to identify brain networks and test the causality of individual nodes, respectively. We also examine the structural connectivity of these brain networks using Diffusion Spectrum Imaging (DSI). Examples of some of our current research projects include:

- Neuroimaging and behavior investigation of chemotherapy-induced cognitive decline
- Measuring functional and structural connectivity between attention mechanisms in the parietal lobe and visual/auditory cortex in the occipital/temporal lobe, using TMS, fMRI, and DSI.
- Identifying the role of attention in cognitive decline caused by chemotherapy.
- Behavioral and neural investigations of object-based selective attention in vision and audition.
- Determining how Gestalt perceptual grouping principles give rise to visual object perception.
- Exploring how auditory scene analysis cues affect auditory object (e.g., music) perception.
- Examining individual differences in attention fluctuations and how they are predicted by personality traits.

Courses Taught: Psych 503: Perception; Psych 623/723: Perceptual Processes; Psych 953: Neuroscience Seminar

Recent Publications


Teaching and Research Interests

Research conducted in our lab is designed to examine the cognitive processes and neural substrates of human memory, as well as memory-attention interactions. We are especially interested in distinguishing among different types of memory representations (e.g., item-based memory representations, relational memory representations), and characterizing their dependence on anatomically distinct medial temporal lobe structures. For example, we are actively engaged in addressing questions about whether, and under what circumstances, the role of the hippocampus might be extended beyond its accepted contribution to long-term declarative (i.e., consciously accessible) memory. We are also interested in the time-course of memory retrieval processes and the sensitivity of eye movement measures to memory for items and memory for inter-item relationships. A major line of recent work examines the cognitive processes and neural substrates of memory-attention interactions - this project is funded by a CAREER award from the National Science Foundation. Our approach combines eye tracking, neuroimaging (fMRI), and neuropsychological methods to address these issues.

Recent Publications


Fred Helmstetter, Distinguished Professor

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Teaching and Research Interests

The primary focus of our work is on understanding the neural systems underlying complex psychological phenomena like learning, memory, and emotion. We are interested in how memory is stored in the brain, how experience and learning can modify the nervous system, and how brain systems work together to solve these problems. While the emphasis in my lab is on basic science rather than on neuropathology or mental disorders, some of the fundamental questions we are addressing can relate to clinical problems. We take a multi-level approach which includes molecular neurobiology, functional brain imaging, and behavioral studies in humans and laboratory animals.

Research projects currently underway include:

Studies on the molecular mechanisms involved in long-term memory formation with a focus on neuronal protein synthesis and degradation.

Examining some of the neurobiological mechanisms through which motivation and emotion can influence learning and perception.

Circuit analysis of fear learning focused on interactions between the amygdala, hippocampus and prefrontal cortex.

Functional mapping of brain circuits important for implicit and explicit memory performance using functional magnetic resonance imaging (fMRI) in human volunteers. The role of awareness and consciousness in learning.

Selected Recent Publications


Bonnie Klein-Tasman, Professor

Ph.D., Emory University, 2000
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Teaching and Research Interests

In my research I seek to improve our understanding of the cognitive, emotional, and behavioral characteristics of children with neurodevelopment disorders of genetic origin using questionnaire, interview, experimental, and observational methods. My students and I are currently working on characterizing the early cognitive and behavioral phenotype of children with neurofibromatosis-1 to identify early indicators of later learning and attention problems, stability of measures of attention in the preschool years, and attention and social problems in the school-age years. We are also examining emotional regulation, emerging executive functioning, social relationships, and socio-communicative skills in children with Williams syndrome and 7q11.23 duplication syndrome. We also do some treatment development work to address inhibition and anxiety challenges of children with Williams syndrome.

Recent Publications


Teaching and Research Interests

My laboratory, the Affective Neuroscience Laboratory, is dedicated to understanding the neural bases of healthy and pathological emotional processing. Currently, my research program is focused primarily on characterizing individual differences in emotional and cognitive processing that confer risk for anxiety or depression. One of our most prominent lines of research at the moment is to prospectively characterize neurocognitive-affective risk factors for PTSD among acute trauma survivors. I use neuroimaging, psychophysiological, behavioral, and self-report tools to examine these questions. In our most recent work we have begun to address interactions between emotions and cognitive processes, such as attention, working memory, and associative learning.

Recent Publications


Pedersen, W.S., Muftuler, T.L., & Larson, C.L. (2017). Disentangling the effects of novelty, valence and trait anxiety in the bed nucleus of the stria terminalis, amygdala and hippocampus with high resolution 7T fMRI. Neuroimage, 156, 293-301.


Teaching and Research Interests

My primary research interests broadly fall into two areas. First, I study anxiety and its related problems with respect to their maladaptive neurocognitive processes (e.g., attentional biases, thought-action fusion, inhibitory control deficits, working memory problems, etc.) and behaviors (e.g., safety behaviors) with an emphasis on obsessive-compulsive and its related disorders, social anxiety disorder, illness anxiety disorder, and post-traumatic stress disorder. I am also studying the underlying mechanisms of change in such cognitive processes, using experimental trials. Second, I am also interested in developing web-based psychological assessment and data management systems. I am teaching Introduction to Psychology (PSY101), Clinical Psychology: Science and Practice (PSY540), and Assessment (PSY831).

Recent Publications


Susan Lima, Associate Professor

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Teaching and Research Interests

My research area is lexical access. I teach two courses (Psych 325: Research Methods in Psychology and Psych 505: Cognitive Processes).

Selected Publications


Teaching and Research Interests

Dr. Krista Lisdahl is the Director of the UWM’s Brain Imaging and Neuropsychology (BraIN) Laboratory. The primary focus of her research is on the neurocognitive consequences of chronic drug use during adolescence and emerging adulthood and predictors of substance use onset in youth. More specifically, using magnetic resonance imaging (structural MRI, IMRI and DTI) and neuropsychological assessment, Dr. Lisdahl’s laboratory examines the effects of chronic marijuana, alcohol, nicotine and ecstasy use on brain structure and function. We also attempt to explain individual differences by examining whether genetics, gender or lifestyle factors such as aerobic exercise, physical activity, or adiposity (body fat distribution) moderate these effects. Dr. Lisdahl is a PI or Consultant on three large-scale multi-site neuroimaging studies examining the impact of substance use on the developing adolescent or young adult brain [the MTA Neuroimaging Study; the IDEAA Consortium; the Adolescent Brain Cognitive Development (ABCD) study - see below]. She is also the Chair of Women in Neuropsychology (http://www.scn40.org/piac-win.html) Subcommittee within the APA Society for Clinical Neuropsychology.

Recent Publications (under Lisdahl or Medina)


*Denotes work submitted by Dr. Lisdahl’s graduate students. Last authorship is equivalent to senior authorship.
Teaching and Research Interests

My research program on stress and cardiovascular health disparities is comprised of two corresponding lines of work: 1) analysis of underlying social psychological and physiological stress mechanisms for excess rates of cardiovascular disease risk among diverse populations, and; 2) analysis of health protective behaviors that are linked with reduced risk for adverse health outcomes. For instance, my innovative research findings show how the John Henryism active coping (JHAC) hypothesis or how sustained effortful coping responses to everyday psychosocial demands is linked with a) poor daily cortisol responses among dementia family caregivers with more challenging care recipients and b) poor sleep quality and prolonged vascular recovery to anger recall stress among young adults from more socioeconomically disadvantaged family backgrounds. My research focuses on how these psychosocial mechanisms work in settings, such as community health care centers, primary medical care settings, and biomedical laboratory contexts. Currently, I am examining how tailored relaxation interventions enhance cardiovascular and neuroendocrine recovery to mental stress and nighttime dipping blood pressure and heart rate among young adults with a history of cardiovascular disease. My colleagues and I believe that providing proper coping skills training and improving cardiovascular recovery to psychosocial stress will reduce future risk for chronic diseases such as heart disease, stroke and diabetes among diverse populations. Our ultimate goal is to leverage this ideographically tailored part in an effort to promote better adoption and long-term adherence to relevant interventions. Along these lines, I am a consultant on a lifestyle modification intervention tailored to African American hypertensive patients in Milwaukee, WI. In addition, I am collaborating with colleagues in the department of neurology at the Medical College of Wisconsin a series of innovative projects focused on heart rate variability as an indicator of the efficacy of behavioral and pharmacologic interventions in patients with autonomic disorders and chronic pain. These studies have two goals, to determine if better control of heart rate predicts cognitive and emotional flexibility and better treatment response, and to use various imaging techniques like fMRI to understand the links between pain modulation and autonomic control.

I teach undergraduate research methods, the psychology of race, ethnicity and health, psychology of personality and a graduate seminar in social psychology.

Recent Publications


Dr. Merritt will not be accepting students for the 2019-2020 academic year.
Teaching and Research Interests

Our laboratory is interested in how the brain changes as a function of experience and as a function of the aging process. Our research focuses primarily on brain regions (e.g., prefrontal cortex, retrosplenial cortex, hippocampus, and other medial temporal lobe structures) that are not only vital for various forms of learning and memory but also are among the most susceptible to aging-related neurodegenerative disorders, including Alzheimer’s disease. Our laboratory is currently engaged in research investigating: (1) neurophysiological and molecular mechanisms underlying aging-related deficits in extinction of trace fear conditioning, (2) intrinsic and synaptic plasticity of ventral hippocampus and retrosplenial cortex neurons as a function of learning and memory, and (3) the role of calcium binding proteins and calcium-dependent processes in aging and susceptibility to neurodegeneration. Behavioral (e.g., acquisition and extinction of Pavlovian fear conditioning), cellular (e.g., use of in vitro models of ischemia to study neurodegeneration), immunohistochemical (e.g., Western blotting, fluorescence and confocal microscopy), and neurophysiological (e.g., whole-cell patch-clamp recordings from visually identified neurons in living brain slices; intracellular and extracellular recordings in living brain slices) techniques are utilized to integrate information across multiple levels of analysis.

Graduate and undergraduate students in my laboratory not only gain experience conducting cutting edge research, but they also have opportunities to present their data at local and international conferences, including the Annual Society for Neuroscience Conference.

Interested students should contact me directly or visit our website for additional information about our research or about extramurally funded research opportunities.

Recent Publications


Research Interests

My main area of interest is the training and treatment of eating and body image disorders, including:
- Anorexia Nervosa, Bulimia Nervosa, and Binge Eating Disorder
- Intuitive Eating and Health at Every Size approaches
- Family Based treatment of Anorexia Nervosa
- Cognitive Behavioral therapy for eating disorders

Other areas of interest include:
- Depression
- Anxiety Disorders
- Group psychotherapy
- Acceptance and Commitment Therapy
- Existential psychotherapy and Positive Psychology

Recent Publications


Key Areas of Interest

- Eating Disorders
- Body Image Disorders
- Issues in Psychotherapy

Dr. Nye will not be accepting students for the 2019-2020 academic year.
The structure of cognition is the central focus of our research with three current approaches to this issue. The first involves using fMRI to map cortical activation associated with orthographic deficits in people with dyslexia. The second involves determining processing disorders associated with learning disability in general using neuropsychological data collected from the Learning Disability Clinic and typically consists of multivariate statistical manipulations (e.g., cluster analysis, factor-analysis, and structural equation modeling of large data sets). The third approach involves experimentally developed chronometric measures (e.g., simple and choice reaction time, lexical decision task, local/global, negative priming, Stroop, etc.) that fractionate cognitive functions into their component elements. This work is carried out on various populations, including psychiatric, neurologic, and learning disabled and non-disabled college students and is preclinical in nature, and sometimes provides a basis for clinical test development. Graduate students in my lab typically do a master’s thesis using the second or third research methodology mentioned above in order to develop a dissertation using fMRI methods if they have academic career goals or seek a clinical population to continue their Masters thesis work for the dissertation if they have clinical career goals.

Recent Publications


Diane Reddy, Professor

Ph.D., Uniformed Services University of the Health Sciences, 1984
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Teaching and Research Interests
I have directed the doctoral research of 21 Ph.D.’s. These alumni went on to obtain research center directorships, distinguished university leadership positions, tenure-track faculty positions, high level corporate positions, clinical positions, and research and clinical positions at medical centers. I am collaborating with students on research focused on health promotion and prevention especially in relation to the health of women, adolescents, racial and ethnic minorities, and economically disadvantaged individuals. Current projects include 1) Tailoring interventions to reduce health disparities, 2) Improving doctor-patient interactions and health communication, 3) Improving adolescent and women’s health, 4) Health promotion in work settings. I am also interested in the science of teaching and learning and have secured over $4 million in external research funds for current studies.

Recent Publications


Robyn Ridley, Associate Professor

Ph.D., University of Missouri-Columbia, 1984
Contact: rridley@uwm.edu; (414) 229-4407

Teaching and Research Interests
My interests are in social clinical psychology, including development, personality, abnormal, and multicultural psychology, and the practice of clinical psychology.

Recent Publications


Teaching and Research Interests

My program of research has two main areas of focus: (1) research on risk factors for, and consequences of, intimate partner violence (IPV) and (2) research on substance use disorders and treatment. In addition, my research integrates these two lines of research to examine substance-related IPV and whether treatment of substance use reduces the occurrence of IPV and sexual assault. My overall goal with these lines of research are to gain a clearer understanding of how to develop and implement prevention and intervention programs aimed at reducing IPV, sexual assault, and substance use disorders. Moreover, my research program aims to explore these areas of focus in diverse and underrepresented populations.

Recent Publications


Teaching and Research Interests

Broadly stated, my laboratory is interested in studying the manner in which experience shapes the structure and function of the brain and, in turn, how these alterations affect behavior. Given that experience can take many forms, it should not be surprising that morphological and functional changes also exhibit varied patterns. For example, it has recently been reported that motor skill learning is accompanied by increases in the density of Purkinje cell synapses in the cerebellum of the rat. In contrast, exercise, in the absence of learning, produces increases in the density of capillary innervation of the cerebellum. My laboratory is interested in how these plastic changes, individually and in concert, facilitate behavioral adaptation. Our research focuses on changes in both cognitive and motor systems, particularly the hippocampus and cerebellum, associated with motor skill acquisition and repetitive motor activity (exercise).

Current projects in the lab fall into two separate but related categories. The first category examines the relationship between motor activity and plasticity of vascular and synaptic networks of the brain. The work also addresses the impact that these plastic changes have on the learning process. The second research category explores the nature of cerebellar contributions to higher cognitive function. Of particular interest is the manner in which cognition is degraded following ablation of the cerebellum and how manipulations of both behavior and brain morphology can begin to reverse these degradative changes. These latter studies may be particularly relevant to those interested in autism or ADHD.

Recent Publications


