

**APPLICATION PACKET
DARTMOUTH - MAX PLANCK INSTITUTE FOR NEUROBIOLOGY
MUNICH/MARTINSRIED INTERNSHIP**

Contents:

1. A description of the internship
2. An application form
3. Two copies of the faculty recommendation form

The attached forms should be accompanied by a **2-3 page written proposal** stating how the internship relates to your academic and intellectual interests, as well as your personal goals, and what qualifications you bring to the requirements of your project.

Faculty recommendations should be sent by November 15 to the Department of German Studies, HB 6084.

The Max Planck Institute of Neurobiology (Munich/Martinsried) Internship

Through the initiative of Leonard Jones '91, an annual one-term internship at the Max Planck Institute of Neurobiology, Theoretical Institute, located in Martinsried (near Munich) is available to Dartmouth students. Undergraduates with a strong interest and appropriate background in biology can work at this outstanding German research institution, developing individual research projects in preparation for their senior thesis at Dartmouth. At least some German language skills are required, although the lab itself uses English.

THE MAX PLANCK INSTITUTE FOR NEUROBIOLOGY

The Max Planck Society for the Advancement of Science maintains 85 Max Planck Institutes for various disciplines within the Natural Sciences in Germany. These prestigious institutes are independent research institutions that do not grant degrees but are affiliated with universities.

The Theoretical Division of the MPI Munich is not only one of the oldest institutions for brain research in the world, but it was also ranked No. 3 worldwide in a recent American survey. Dartmouth students are placed in the Department of Neurophysiology under the leadership of Dr. Tobias Bonhoeffer. The department focuses on research in development and function of cortical maps; plasticity of the visual system in higher mammals; the cellular basis of synaptic plasticity; and the role of neurotrophins in activity-dependent plasticity. The Dartmouth intern is integrated into one of the research groups as a full working member. After some familiarization with the lab, the student chooses a manageable individual project for which he/she is fully responsible, under the mentorship of a doctoral student

and the supervision of the senior researcher. At the end of his/her stay, the student is expected to give a formal presentation of that work to the department. The goal is to introduce students to the full range of research in cell and molecular biology conducted at the Institute, including identification of an individual project, strategic planning, scientific tools and instrumentation, organization, computer skills, statistics, scientific communications, oral presentations, and exposure to the daily progress and setbacks inherent in scientific research. MPI also maintains a research program for a small group of qualified undergraduate students from the University of Tübingen, which gives Dartmouth interns the opportunity to interact with their German counterparts.

Student Qualifications and Selection: Students having junior standing and majoring in biology are preferred (qualified sophomores will be considered); an inclination toward cellular and molecular biology is especially welcome. A minimum of one lab course each in chemistry and biology is required.

At least some German language skills are required, although the lab itself uses English. Completion of German 2 is a desired minimum, but the more, the better.

The optimal time period for an internship is the Dartmouth Spring or Summer term. In order to allow enough time for familiarization with facilities and ongoing research as well as pursuit of an independent project, a stay of at least 3 months is recommended. The Departments of Biology and German Studies will select qualified students from the applicant pool.

Funding: MPI offers a stipend to cover living expenses and health insurance (interns may be housed in the Institute's guest house in Schwabing, Munich's university quarter).

Additional Information can be found at the MPI Munich/Martinsried home page at <https://www.neuro.mpg.de/en>.

This application form and all supporting materials are to be completed and submitted to the Department of German Studies, Hinman 6084, by November 15.

The completed application should be accompanied by **1) a 2-3 page written proposal** stating how the internship relates to your academic and intellectual interests, as well as your personal goals and what qualifications you bring to the requirements of your project; **2) a copy of your transcript.**

The faculty recommendations should be sent by November 15 directly to the Department of German Studies, HB 6084. Electronic submission (signed and scanned pdf) welcome; please email the pdf to the Department Administrator, Ann Fenton, Ann.N.Fenton@Dartmouth.edu.

APPLICATION: MAX PLANCK INSTITUTE (MARTINSRIED)

Name _____ Class _____

Graduation _____ College Address (HB) _____

Tel. _____

Home Address: _____

Tel. _____

Citizenship _____ Permanent Resident? _____

Soc. Sec. # _____

Major _____

Courses taken that fulfill the minimum requirements and provide a particular background for your internship:

Work experience: _____

Extracurricular Activities: _____

Honors/Awards: _____

Term during which the internship will be taken _____

Dates in Germany: From (date) _____ to (date) _____

Remaining Dartmouth Plan:

Faculty Recommenders:

(1) _____

(2) _____

Signature — Date _____

MAX PLANCK INSTITUTE INTERNSHIP (MUNICH/MARTINSRIED)
CONFIDENTIAL FACULTY RECOMMENDATION

To be filled out by the applicant: I _____ waive / _____ do not waive any right I may have to read or obtain copies of the endorsement that I am receiving from Prof. _____

Signature of Applicant: _____

Date: _____

To the Recommender: Please comment on the student's qualifications to carry out an internship at the Max Planck Institute for Neurobiology in Martinsried and send your recommendation to the Department of German Studies, HB 6084, by November 15. Feel free to use the other side of this form as well or to attach a letter. An electronic submission (signed and scanned pdf) welcome; please email the pdf to the Department Administrator, Ann Fenton Ann.N.Fenton@Dartmouth.edu Thank you!

Signature of Recommender: _____

Position: _____ Date: _____

Address: _____

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Signature of Recommender: _____

Position: _____ Date: _____

Address: _____