what is evolution, ecology & population biology?

Evolutionary biology studies the origin and descent of species and their change over time. Ecology involves the study of the distribution and abundance of living organisms and how those factors are affected by interactions between the organisms and their environments. Population biology involves the dynamics of species populations and how they interact with the environment.

Research Environment

Research in the Program is extremely diverse. Study organisms include model systems such as yeast, mice, Drosophila, Arabidopsis, and Dictyostelium, human populations, agricultural species, and natural plant and animal populations.

Areas of research include:

• levels and maintenance of genetic variation in natural plant and animal populations
• variation at medically relevant genes and candidate loci
• molecular evolution of genes
• mechanisms of speciation and adaptation
• phylogenetic relationships among populations, species, and higher taxa
• factors that contribute to biodiversity across space and time
• interaction of species and how such interactions affect biodiversity
• restoration and conservation of species
• biology of invasive species
• role of species in the functioning of entire ecosystems

For More Information:

http://dbbs.wustl.edu/divprograms/EEPB/

To request information: dbbs-info@wustl.edu
Faculty Honors

- National Medal of Science
- Membership in the National Academy of Sciences
- Membership in the American Academy of Arts and Sciences
- Fellowship in the American Association for the Advancement of Science
- International Prize in Botany, Japan
- Ranking among the top 1 percent of cited authors for journals in the life sciences
- Botanico Onorario, Botanical Garden of the University of Naples
- Silver Medal, International Botanical Congress, St. Louis
- American Society of Naturalists Young Investigator Prize

Find information on EEPB faculty research by visiting:

http://dbbs.wustl.edu/divprograms/eepb/Pages/Faculty.aspx

Admissions Information:
September 1- December 1
No Application Fee

benefits

- Health, life and disability coverage are provided.
- Students in the Division enjoy access to all of Washington University’s educational, entertainment and recreational resources.
- The University’s MetroPass provides all students with free use of Metro-Link light rail and Metro buses. MetroLink connects students to all Washington University campuses, Forest Park, Clayton, Lambert Airport and downtown.

stipend and support

- Each student accepted into the Division is guaranteed a generous stipend and tuition is provided for the duration of training as long as all academic standards are upheld.
- Many students hold national fellowship awards, such as those offered by the National Science Foundation.
- Funds are provided for students to attend and participate in a scientific meeting.

DBBS celebrates diversity in all of its forms. We invite all students to apply, especially those from backgrounds historically underrepresented in the sciences such as African, Latin and Native Americans, those with disabilities and individuals from low-income backgrounds.

To learn more about diversity initiatives in DBBS please visit http://dbbs.wustl.edu/divoutreach/Pages/DiversityOutreach.aspx