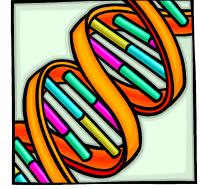




BUILDING A STUDENT COMMUNITY NEWS



April 2005

Biology Club News

The Club's next meetings will be April 12 and 26, at 5:30 p.m. in S-382. The Club now has an email address bioclub@marshall.edu and website www.marshall.edu/bioclub

A Course to Consider: Biostatistics

This Fall, Dr. May is offering **BSC 417/517: Biostatistics**, a 3 credit-hour course. This course serves as an introduction to basic statistics. It begins with statistics that describe sets of data ("descriptive statistics"), sampling distributions, confidence intervals, and a little bit about probability. It then focuses on a variety of statistical tests ("inferential statistics"), including *t*-tests, chi-square tests, analysis of variance, and linear regression analysis. Consideration is also given to planning experiments so that you end up with sufficient data of the right kind to allow you to do valid statistical analyses (the world of "experimental design").

A Course to Consider: Biosystematics

This Fall, Dr. Hight will teach **BSC 482/582 Special Topics: Biosystematics**. This 3-credit course meets once a week; the prerequisite is a C or better in BSC 121. Biosystematics is required for BSC's Ecological and Evolutionary Biology (EEB) major and is an elective for other BSC majors.

Biosystematics addresses the theory and practice of classifying living organisms. The course will explore the philosophical, theoretical, and methodological approaches to classification. The course will include demonstrations and group exercises for using morphometric, molecular, ecological, and other kinds of systematic data to test classification hypotheses.

Congratulations BSC Student Award Winners!

- **Shauna Ogle** has been awarded the Simms Scholarship. This scholarship is generously donated by Mrs. Simms in honor of her late husband, and is given to a qualified WV BSC major.
- **Michael Black** has been named the 2005 Outstanding Biology Student, who "represents the best qualities of a scholar and person: excellent academic performance, rigorous pursuit of new knowledge through independent scholarship, passion for life-long learning in the life sciences and other disciplines, and collegiality in the university community and beyond."
- **Anna Rebekah Lemon** will receive the Stanley W. Ash Award for Excellence in Biology, defined as "a biology major with an outstanding academic record who has made contributions to the department." This award honors Dr. Ash, who served as a distinguished member of Marshall's biology faculty for many years.



Shauna



Michael



Anna

The Department offers congratulations to each award winner, and wishes them all the best of luck!

Needed – Creative Students to Arrange BSC Display Cases!

Would you be interested in spiffing up the BSC hallway displays? The Department needs creative students to use provided materials to make attractive displays using plant/animal materials, or other items related to BSC research areas. If interested, see Mary Jo Smith in **S-350**, as soon as possible. Think about what you might like to see, how to attractively arrange it – then volunteer!

Sigma Xi Activities

The MU chapter of Sigma Xi is your local chapter of a 75,000-member society for the promotion of excellence and understanding in the sciences. **Sigma Xi Research Day** activities will be held **April 21 and 22**. This year's meeting is the Fifteenth Annual Research Day, with presentations in a broad range of fields from Biology to Mathematics. Plans are to have poster and platform sessions as well as a keynote address by Dr. Ron Canterbury. Dr. Canterbury is a former member of the chapter who gave his first research presentation at the first Sigma Xi Research Day. In commemoration of Earth Day he will speak about his studies on the effect of human activities on bird populations within the state. Program updates and schedules will be posted on the website as soon as they are available.

Sigma Xi is YOUR research society - please come, support research, and enjoy the achievements of students and faculty.

Consider the Governor's Internship Program!

The Governor's Internship Program offers high-achieving college students the opportunity for hands-on learning by participating in internships in private businesses, non-profit organizations, and government agencies. Students enter the real-world work environment, learn communication and leadership skills, obtain experience, and gain references for the future. Students may also use the internship experience to evaluate current and future career choices.

Applicants must be a student at a WV college or university, or be a WV resident attending an accredited college or university elsewhere. Applicants must also have completed at least one academic year of study by June 2005, with a cumulative GPA of 3.0 or above.

A completed application must be received by **April 30, 2005**. Visit the program's website at: http://www.wvgip.org/application_information.htm. You may also call Frank Chambers at 304-558-3950, extension 260 for questions about the program or the application.

Reminder: TA Application Deadline is April 15-Earn Tuition Waiver + Stipend

If you plan to attend graduate school in BSC this Fall, you can earn a tuition waiver and a stipend if you qualify to be a departmental teaching assistant (TA). TAs must be accepted into both the MU Graduate School and the BSC Department (these applications are separate). If selected, you will teach laboratory sections of undergraduate courses, help prep an upper-level course, and/or be assigned other departmental duties. You also must enroll for at least 9 credits of graduate courses. Applications may be picked up and returned to the main BSC office, S-350. The deadline for application to be a TA is **April 15, 2005**.

It's True: If you extracted all of the cell membranes from a liver cell and pasted them together, the mosaic would be about 840 acres or the size of Central Park. Therefore, in your body you have enough membrane surface area to completely cover the earth millions of times!

Selected BSC Contact Information			
Dr. Frank Gilliam, Biology Club Advisor	S-380	696-3636	gilliam@marshall.edu
Dr. Laura Jenski, Biological Sciences Chairperson	S-350	696-6791	jenski@marshall.edu
Dr. Nicki LoCascio, Capstone Advisor	S-122A	696-3975	locascio@marshall.edu
Susan Weinstein, <i>BSC News</i>	S-204	696-2428	weinstei@marshall.edu
TA applications, u-grad tuition waiver forms, BSC office	S-350	696-3148	smithmj@marshall.edu

