

Bioethics through gaming at Vybe Communication Hub, Conference Room

Grades 9 -12th as of June 2014

Four (4) historic case statements based on award-winning NWABR ethics curriculum inspire this high-energy game development laboratory. Practicing professionals in the field and PhDs coach small camper groups to engage in investigative experiences, collaboration and values assessment, and encourage students from all study areas to generate possible solutions to ethical scientific problems.

Session Number	Dates	Early Bird Discount*	NWABR Member	All Other (Non-Member)
1 - Bioethics thru Gaming	7/7 -7/11/14	\$450.00*	\$500.00	\$540.00
2 - Bioethics thru Gaming	7/14 -7/18/14	\$450.00*	\$500.00	\$540.00
3 - Bioethics thru Gaming	7/21 -7/25/14	\$450.00*	\$500.00	\$540.00
4 - Bioethics thru Gaming	7/28 -8/1/14	\$450.00*	\$500.00	\$540.00
5 - Bioethics thru Gaming	8/4 -8/8/14	\$450.00*	\$500.00	\$540.00
6 - Bioethics thru Gaming	8/11 -8/15/14	\$450.00*	\$500.00	\$540.00

*Early Bird Discount available to NWABR Members until March 31, 2014

FoldIt! Protein, DNA, and Origami of Life at University of Washington Center for Game Science

Grades 9-12th as of June 2014

Developed by UW Department of Biochemistry, the Foldit online video game and UW Center for Game Science join students to illuminate functional elements of specialized proteins, and well, solve puzzles. The game is to fold as well as possible, using amino acid chemical mechanisms to make it work – or not - but what are those?

Session Number	Dates	Early Bird Discount*	NWABR Member	All Other (Non-Member)
1 - Protein Foldit! - UW	7/7 -7/11/14	\$525.00*	\$575.00	\$615.00
2 - Protein Foldit! - UW	7/14 -7/18/14	\$525.00*	\$575.00	\$615.00
3 - Protein Foldit! - UW	7/21 -7/25/14	\$525.00*	\$575.00	\$615.00
4 - Protein Foldit! - UW	7/28 -8/1/14	\$525.00*	\$575.00	\$615.00
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Presented by:

NWABR www.nwabr.org/campbiomed
Northwest Association for Biomedical Research

For more information or questions, contact us at:

206-957-3337 camp@nwabr.org

Do It Yourself Lab at Hive Bio, Talaris Conference Center

Grades 9 -12th as of June 2014

Campers use Hive Bio lab facilities to experience sheep brain dissection, neuroscience and digital microscopy and apply scientific methods. Hive Bio creates an immersion in what it's like to be a professional scientist, have your own office (yes!) and inspires young scientists with the thrill of discovery.

Session Number	Dates	Early Bird Discount*	NWABR Member	All Other (Non-Member)
1 - Do It Yourself Lab w/ Neuro	7/7 -7/11/14	\$500.00*	\$550.00	\$590.00

*Early Bird Discount available to NWABR Members until March 31, 2014

Do It Yourself Lab with Neuroscience – at Hive Bio, Talaris Conference Center

Grades 9 -12th as of June 2014

In addition to the above DIY lab description, on Fridays students will learn about neurological disorders, and about the connection between neuro-impulses and action, harnessing the activation energy in their muscles to compete in the WrestleBrainia 3000, a robotic arm wrestling device controlled through EMG electrodes, or donning an Emotiv cap to control a computer icon using only their thoughts.

Session Number	Dates	Early Bird Discount*	NWABR Member	All Other (Non-Member)
2 - Do It Yourself Lab w/ Neuro	7/14 -7/18/14	\$500.00*	\$550.00	\$590.00
3 - Do It Yourself Lab w/ Neuro	7/21 -7/25/14	\$500.00*	\$550.00	\$590.00
4 - Do It Yourself Lab w/ Neuro	7/28 -8/1/14	\$500.00*	\$550.00	\$590.00
5 - Do It Yourself Lab w/ Neuro	8/4 -8/8/14	\$500.00*	\$550.00	\$590.00
6 - Do It Yourself Lab w/ Neuro	8/11 -8/15/14	\$500.00*	\$550.00	\$590.00

*Early Bird Discount available to NWABR Members until March 31, 2014

REGISTER NOW!

NWABR and Early Bird Discounts Available
www.nwabr.org/campbiomed

Did you know?

NWABR Members SAVE an
additional \$40 on Camp BIOmed!
Become a member today!

Camp Facts

Camp BIOmed Mission

Our goal is to inspire students entering grades 9th -12th to consider a career in biomedicine, biotechnology or bioengineering through immersion in the biomedical research community.

Camp Hours

All camp sessions run Monday thru Friday, 9 a.m. - 3 p.m.

Culminating Expo

- Each Friday at 4 p.m., for friends and family
Special thanks to our host, Puget Sound Blood Research Center. Everyone is invited to view hands-on results developed by participants, who apply their new skills to real life problems.

Camp Sessions:

- Bioethics through gaming: Demo and participation in boards created.
- Do It Yourself Lab: Lab journal presentation and demo of lab equipment created.
- FoldIt!: Proteins, DNA and the Prgami of Life: Foldit! demo with poster session or journal.

Registration

You can now register for Camp BIOmed online at www.nwabr.org/campbiomed

Financial Assistance

No child is ever denied participation at Camp BIOmed because of an inability to pay. Financial assistance applications are available at www.nwabr.org/campbiomed or by calling 206-957-3337.

The Edmonds School District does not sponsor or endorse the activity and/or information contained in this material.

NWABR Membership Rates and Benefits

Our members come from academia, industry, health care and voluntary health organizations throughout the Northwest. Our goal is to Inspire today's students to choose science careers by providing direct experiences inside our member institutions.

Becoming a member really pays!
All NWABR members **save up to \$90** on camp, plus enjoy other great benefits.

Other benefits of joining include:

- Special access to Hive Bio facilities*
- In-person workshops, programs, events and lectures at a discounted rate
- Opportunities for students to learn about research and expand their knowledge of careers in biomedicine
- Member log-in (coming 2014)
- Networking & volunteer opportunities

Membership Rates:

Student Membership: \$25

Share the experience with your child with a Couple Membership: \$75

To explore other levels of membership, visit the NWABR Member Center: www.nwabr.org/membercenter

* Hive Bio access only available to students with membership.

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