

Dear Friends,

The GPHS Biotech & AP Environmental programs would like to invite you to our very first Science Symposium to be held on Monday, May 22, 2017 at Glacier Peak High School. We are looking for interested professionals to provide feedback and encouragement to students who have been exploring the world of proteins, algae, & aquaponics. The time commitment is minimal but you will be greatly rewarded (including lunch) by what these students have to share with you. The details...

- **What:** Glacier Peak High School would like to invite you to view and provide feedback for student Team projects.
- **Your Responsibility:** you will be assigned to look at 2-3 projects. A set of guided questions will be provided and you simply listen to what students have learned. Ask some good questions and give them some feedback on their poster, model and presentation. No advance preparation required on your part!
- **Date & Time:** Monday, May 22<sup>nd</sup>, **9am-12noon**  
9am--Arrive at GPHS.  
9:30-11:00am--Feedback forum/student interviews  
11:15-12:00-- Lunch served  
You are on your way back home or to work by 12!
- **Location:** Glacier Peak High School Performing Arts Center 7401 144<sup>th</sup> Pl SE Snohomish, WA 98296

In closing, we would love to share some enthusiastic student science research, an incredible Citizen Science opportunity through Project Violet, and some wonderful food with you. Let us know if you are willing and able to help by April 22<sup>nd</sup>. As always, thanks for all you do to support education in our area.

*Tami Caraballo & Chris Scott*

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#### PROJECT OVERVIEWS:

- **Molecular Biology for Global Health:**  
Project Violet: teams work with their teacher & mentor to develop a model, poster, and oral presentation that explains the molecular story of an optide protein (Project Violet-The Hutch Cancer Research Center). Student presentations should explain why their protein is important and how its structure relates to the function.
- **Advanced Molecular Biology for Global Health & AP Environmental Science:**  
The premise of our programs is to challenge students to make a difference in the health of the world as well as the planet. This project encourages and models collaboration between students in multiple classes and industry in an effort to address global hunger and environmental health of the Earth. This project is designed to provide students with an opportunity to apply what they have learned from course work; design their own active inquiry experience; research and upload their data to a database maintained by ISB. The overarching goal is to expose students to relevant and rigorous science in a collaborative team effort between teachers nationwide and local industry (ISB). Emphasis will be on “doing” science in an effort to impact real-world global health issues. Students will conduct research on aquaponics or algae that can be used as a food or fuel source.

