

**TRIUMF  
LIFE SCIENCES PROJECTS  
EVALUATION COMMITTEE MEETING  
POSTER COMPETITION  
JUNE 20, 2024 | 15:50 to 16:35  
TRIUMF MOB AUDITORIUM**

1. Name: **Jordanne Burgess, MSc – Chemistry**  
Affiliation(s): **Life Sciences Division, TRIUMF  
Department of Chemistry, Simon Fraser University**  
Supervisor(s): **Caterina Ramogida (SFU/TRIUMF)**  
Title: **Tuning Pharmacokinetic Properties of Sulfur-Rich Macrocyclic Chelators for Complexation of Theranostic Meitner-Auger Electron Emitter Mercury-<sup>197m</sup>gHG**

2. Name: **Sidney Shapiro, BSc – Physics**  
Affiliation(s): **Accelerator Division, TRIUMF  
Department of Physics and Astronomy, University of British Columbia**  
Supervisor(s): **Peter Kunz (TRIUMF)**  
Title: **Development of Alpha Spectrometry for Diagnostics of TAT on Cancer Cells *in Vitro***

3. Name: **Grace Dehnel, MSc – Physics**  
Affiliation(s): **Life Sciences Division, TRIUMF  
Department of Physics, University of British Columbia (Okanagan)**  
Supervisor(s): **Cornelia Hoehr (TRIUMF)**  
Title: **Temperature Measurement of Isotope Production Targets**

4. Name: **Logan Mackay, MPhys – Computational Physics**  
Affiliation(s): **Life Sciences Division, TRIUMF  
School of Physics and Astronomy, University of Edinburgh**  
Supervisor(s): **Cornelia Hoehr (TRIUMF)  
Valery Radchenko (TRIUMF)**  
Title: **TIIGR: A Therapeutic Isotope Imager with Gamma Rays**

5. Name: **Aivija Grundmane, PhD Candidate – Chemistry**  
Affiliation(s): **Life Sciences Division, TRIUMF**  
**Department of Chemistry, Simon Fraser University**  
Supervisor(s): **Valery Radchenko (TRIUMF)**  
**Caterina Ramogida (SFU/TRIUMF)**  
Title: **Novel ether-based resins for antimony-119 purification from tin targets**

6. Name: **Peter Dasiukevich, BSc – Physics**  
Affiliation(s): **Life Sciences Division, TRIUMF**  
**School of Physics and Astronomy, University of Edinburgh**  
Supervisor(s): **Cornelia Hoehr (TRIUMF)**  
**Sebastian Tattenberg (University of Munich)**  
Title: **Comparing Secondary Cancer Rates between Proton Therapy and Photon Therapy**

7. Name: **Alasdair Holmes, MPhys – Computational Physics**  
Affiliation(s): **Life Sciences Division, TRIUMF**  
**School of Physics and Astronomy, University of Edinburgh**  
Supervisor(s): **Cornelia Hoehr (TRIUMF)**  
**Sebastian Tattenberg (University of Munich)**  
Title: **Comparing the Dose to Circulating Lymphocytes in Conventional and State-of-the-Art Radiation Therapy**

8. Name: **Behrad Saedi Saghez, MSc – Chemistry**  
Affiliation(s): **Life Sciences Division, TRIUMF**  
**Department of Chemistry, University of British Columbia**  
Supervisor(s): **Hua Yang (TRIUMF)**  
**Valery Radchenko (TRIUMF/UBC)**  
**Chris Orvig (UBC)**  
Title: **High Purity  $^{165}\text{Er}$  Production and First Quantitative SPECT/CT Imaging**

9. Name: **Nicolas Fedrigo, BSc, Engineering Co-Op/Undergrad Student**  
Affiliation(s): **Life Sciences Division, TRIUMF**  
**School of Biomedical Engineering, University of British Columbia**  
Supervisor(s): **Paul Schaffer (TRIUMF)**  
**Stuart McDiarmid (TRIUMF)**  
Title: **The TRIUMF Automated Chemistry Unit (TACU): a Versatile System for Radioisotope Processing**

10. Name: **Helena Koniar, PhD, PhD – Medical Physics**  
Affiliation(s): **Life Sciences Division, TRIUMF**  
**Department of Physics and Astronomy, University of British Columbia**  
Supervisor(s): **Paul Schaffer (TRIUMF)**  
Title: **Preclinical SPECT imaging, dosimetry, and therapy with [<sup>226</sup>Ac]Ac-crown-TATE**

11. Name: **Scott McNeil, PhD Candidate – Chemistry**  
Affiliation(s): **Life Sciences Division, TRIUMF**  
**Department of Chemistry, University of British Columbia**  
Supervisor(s): **Hua Yang (TRIUMF)**  
Title: **Cyclotron Production of Tb-155 from Gd<sub>2</sub>O<sub>3</sub> Targets: From Design to Preliminary Results**

12. Name: **Astoria Tai, PhD Candidate - Chemistry**  
Affiliation(s): **Department of Chemistry, University of British Columbia**  
Supervisor(s): **David Perrin (UBC)**  
Title: **PSMA targeting agents that have been labeled with 18F-fluoride and enable radioplumbation**