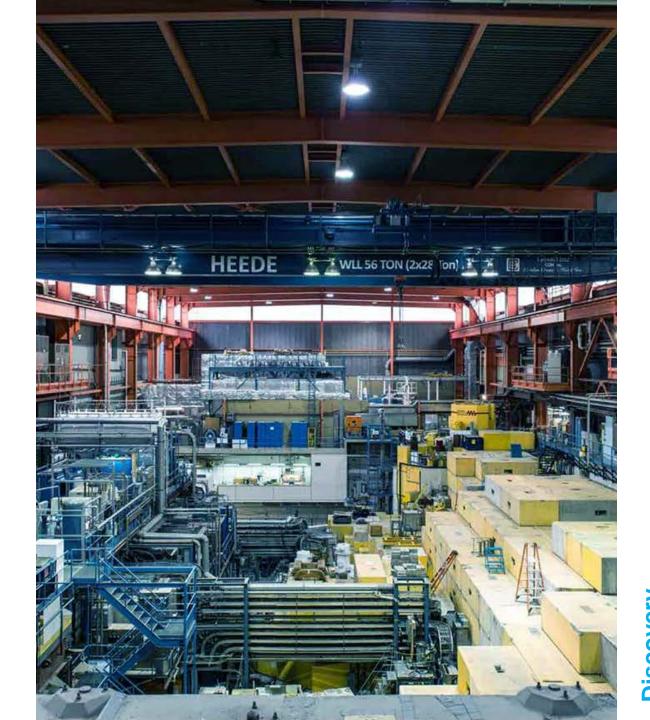


Institute for Advanced Medical Isotopes (IAMI)

Ken Buckley Life Sciences Deputy ALD - IAMI



IAMI: The Institute for Advanced Medical Isotopes

Vision: IAMI will unite interdisciplinary partners to create a world-class centre for advanced isotope research, development, and production for the life sciences.





bccancerfoundation.com

Budget: \$35.5M+

Timeline: Break ground – June 2019

Substantial completion – March 2020

IAMI Founding Partners







IAMI: The Institute for Advanced Medical Isotopes

A physical entity

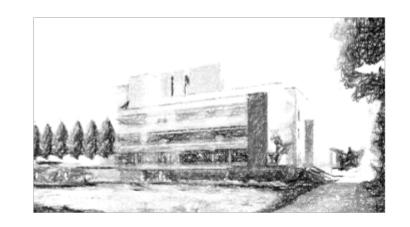
 a space that meets or exceeds current standard-of-practice for both nuclear and pharmaceutical processes

A research hub

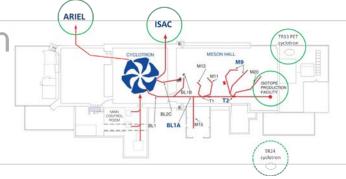
 a space where researchers from multiple disciplines and different focus can interact

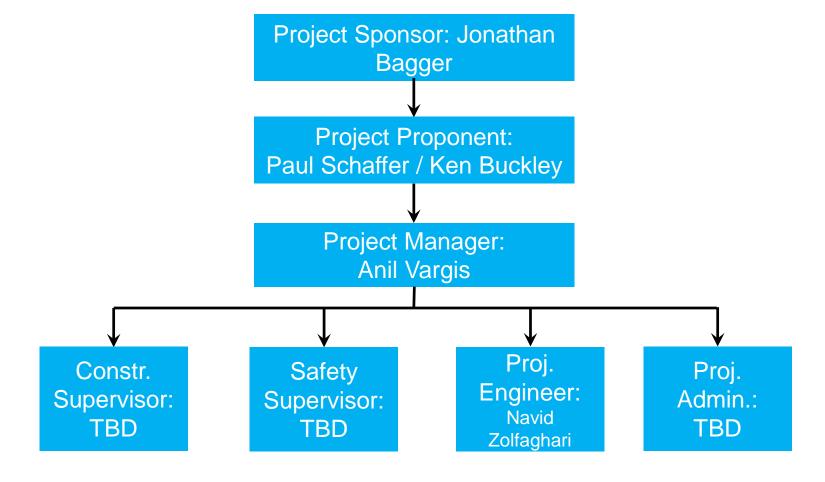
A program

 Isotopes sourced from a variety of production areas at TRIUMF, and potentially beyond











UBC SOUTH CAMPUS CONTEXT PLAN

TRIUMF SITE BUILDINGS LEGEND

T1-T12 TRAILERS

CYCLOTRON
SERVICE ANNEX
SERVICE ANNEX EXTENSION
PROTON HALL EXTENSION
ELECTRON HALL
MESON HALL
MESON HALL
MESON HALL
MESON HALL EXTENSION

5 ELEGIRON MALL
6 MESON HALL
7 MESON HALL EXTENTION
8 MESON HALL EXTENSION SERVICE ANNEX
9 CENTRE FOR MOLECULAR 8 MATERIAL SCIENCE
10 MIS FACILITY

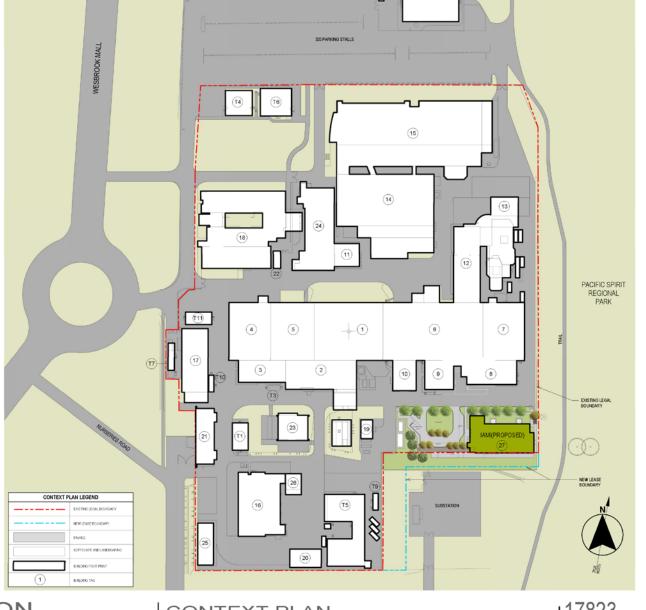
10 MIS FACILITY
11 PEMOTE HANDLING
12 RADIO CHEMSTRY AINEX
13 ADIO CHEMSTRY AINEX
14 ISOTOPE SEPARATOR & ACCELERATOR I
15 SOTOPE SEPARATOR & ACCELERATOR II
16 MACHINE SHOP
17 PLANT SERVICES

18 MAIN OFFICE BUILDING
19 HAZARDOUS MATERIALS STORAGE
20 PLANT STORAGE BUILDING
21 STORES 8 DESIGN OFFICE FACILITY

22 BADGE ROOM
23 COMPRESSOR BUILDING
24 ADVANCED RAIRE ISOTOPE LABORATORY
25 BLANT STORAGE SHED







17823

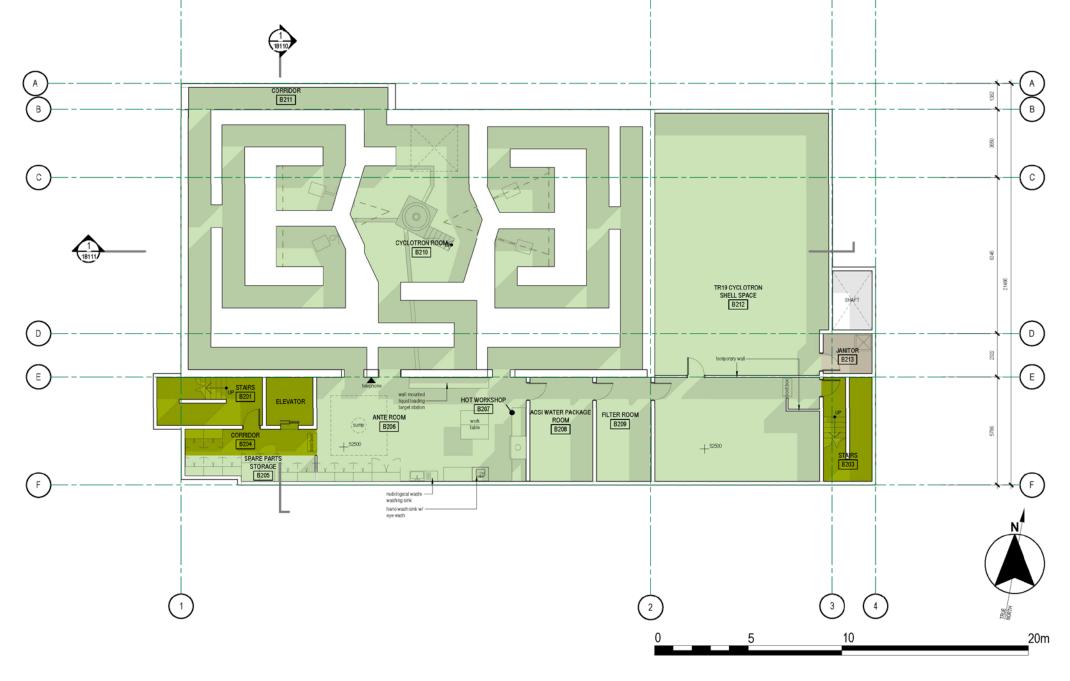
scale As indicated 2018-08-29

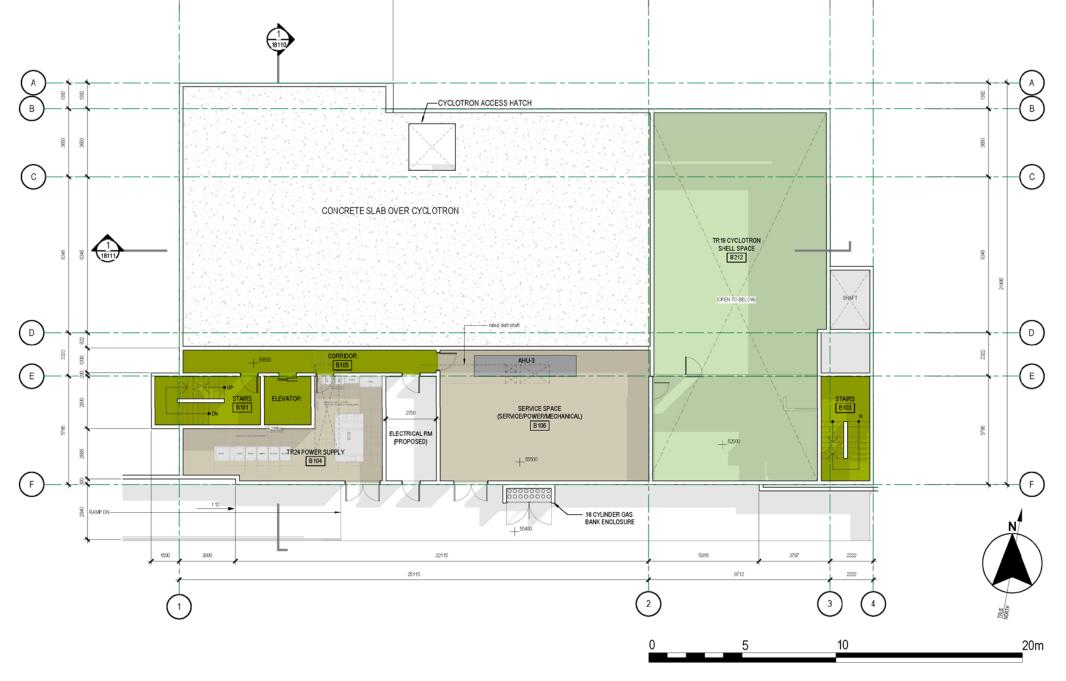
ARCHITECTURE 49

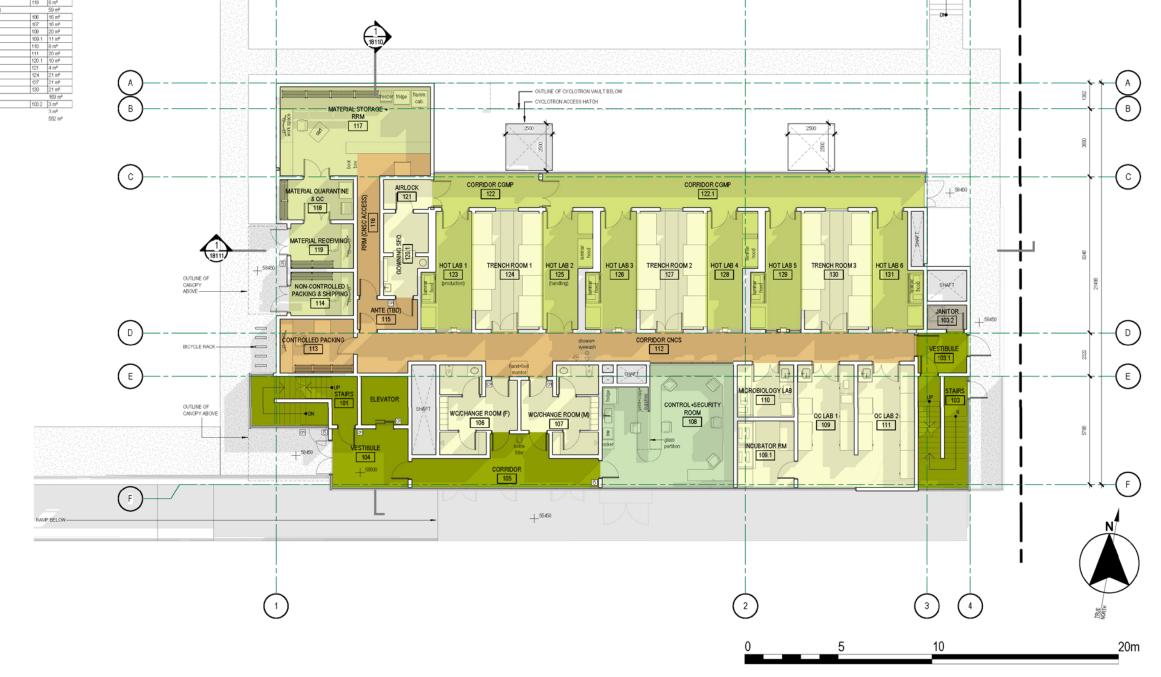
drawing

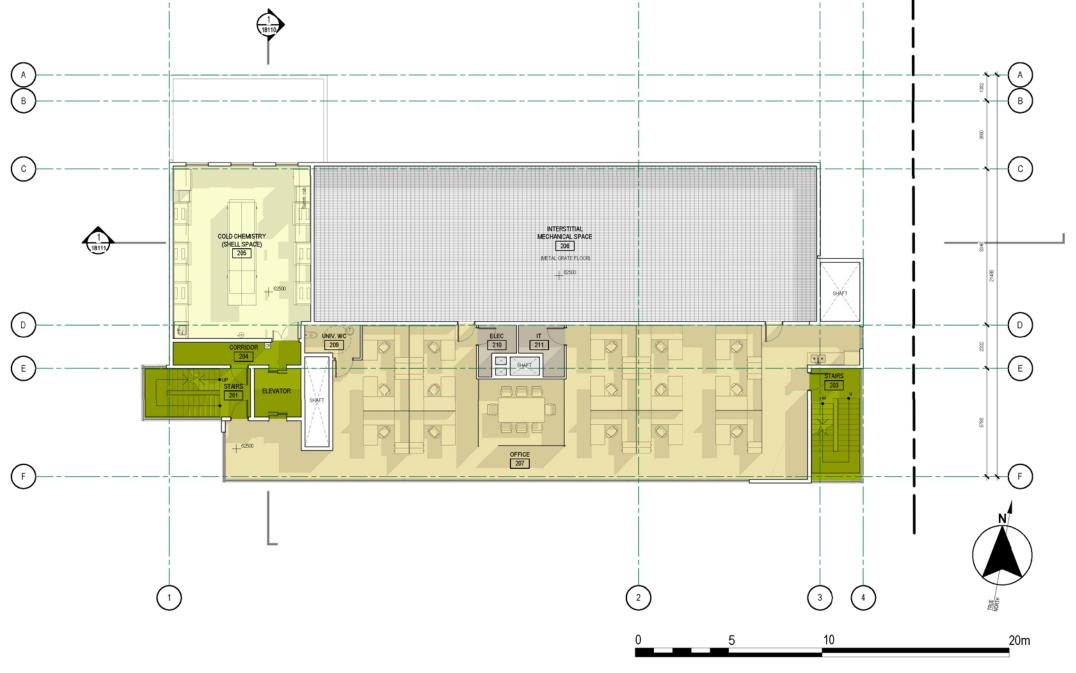


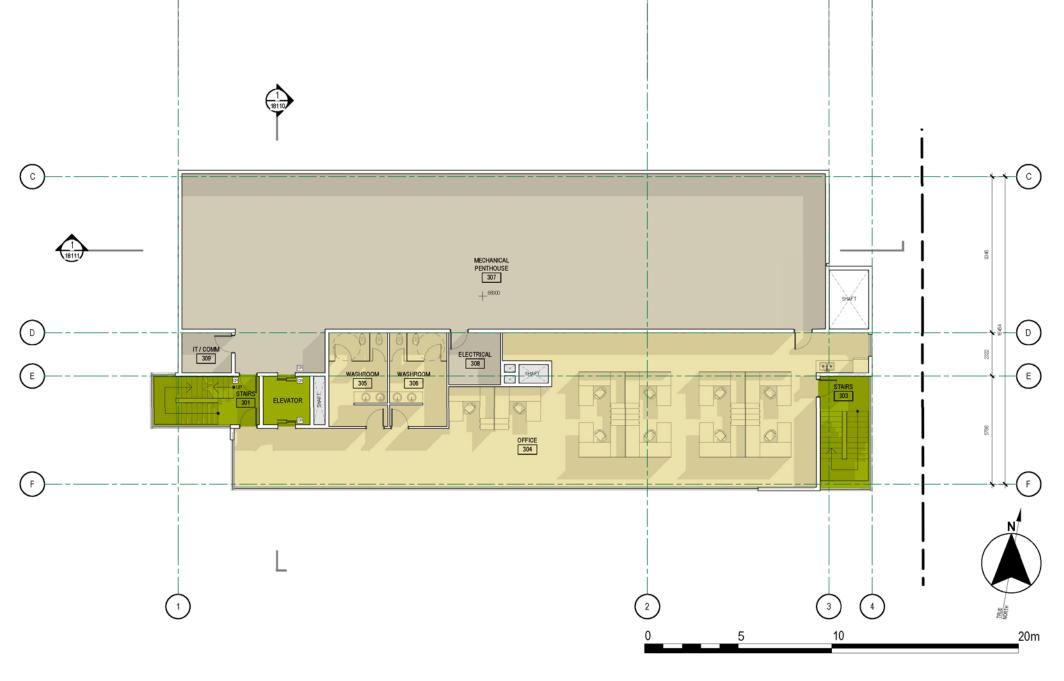












IAMI will work across five key areas

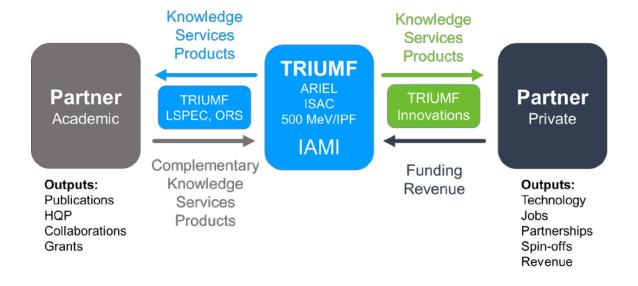












Status by 2025



Medical isotope production

- Routine production
 of Tc-99m supplying
 the greater
 Vancouver area
 (86,000 doses/yr)
- Routine production of F-18 augmenting the supply to the PET cameras in BC (5,000 doses/yr)



GMP production supporting multiple clinical trials of radiopharmaceuticals for diagnosing and managing Alzheimer's disease, dementia, prostate cancer, etc.

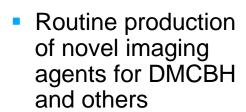


Accelerated drug development

 Multiple partnerships with drug firms to develop radiotracers



Clinical imaging



Supporting 5 PET cameras



Cancer therapies

- Processing of rare and novel theranostic isotopes produced at TRIUMF
- Supporting multiple clinical trials of radionuclide therapy



Thank you Merci

www.triumf.ca

Follow us @TRIUMFLab









