UVA CANCER CENTER
An NCI-Designated Comprehensive Cancer Center

RESEARCH SUPPORT RESOURCES

01. Advanced Microscopy Facility (AMF)

Advanced light microscopy imaging technologies, training, sample preparatory services, data analysis pipeline development and consultation.

Sijie Hao, PhD
pfa2xb@virginia.edu
434-924-2524

02. Bioinformatics Core

Providing exemplary, reproducible, transparent, and collaborative services for any conceivable biomedical data analysis.

Pankaj Kumar, PhD
pk7z@virginia.edu
434-982-2820

03. Biomolecular Analysis Facility (BAF) Core

Instrumentation and expertise in Genomics, Transcriptomics, Proteomics, and Metabolomics/Lipidomics with experimental design to data collection to analysis.

Nicholas E. Sherman, PhD
nes3f@virginia.edu
434-924-2356

04. Biorepository and Tissue Research Facility (BTRF)

Biospecimen procurement, processing and banking for clinical trials, basic and translational research; standard histology services and complex histology-based analytic techniques.

Pat Pramoonjago, PhD
pp6f@uvahealth.org
434-982-0487

05. Biostatistics Shared Resource (BSR)

Assistance in the design, conduct, analysis and reporting of cancer-related basic, clinical, translational and population science studies.

Hong Zhu, PhD
hzhu2m@virginia.edu
434-297-7876

06. Cancer Registry

Curated cancer surveillance database on incidence, treatment, and survivorship.

Ruth Li, PhD
rl4gh@uvahealth.org
614-596-9733

Elizabeth Mulcahy, PhD
qx3k@uvahealth.org
434-243-3983

07. Office of Community Outreach and Engagement (OCOE)

Supports partnership- and evidence-based education and interventions, advocacy, and capacity building, and inclusive research opportunities that address community needs and promote health equity.

Lindsay Hauser, MS, MTTS
lh7yn@uvahealth.org
434-243-0433

08. Drug Discovery Services

Synthetic services and scale-up synthesis of compounds, sourcing chemical matter, an in-house compounds library, and training.

Adam Libby, PhD
ahl2jc@virginia.edu

09. Flow Cytometry Facility (FCF)

Services including unassisted and assisted sample acquisition, cell sorting, spectral cytometry, mass cytometry, imaging cytometry, luminex cytokine assays, antibody conjugation and data analysis

Michael Solga, MS, SCYM (ASCP)
mds4z@virginia.edu
434-924-0274

10. Genetically Engineered Mouse Model (GEMM) Core

Production and preservation of genetically engineered mouse strains for animal model research.

Wenhao Xu, PhD
wx8n@virginia.edu
434-982-6506

11. Genome Analysis and Technology Core (GATC)

Next-generation sequencing for novice and experienced researchers in all facets of experimentation.

Katia Sol-Church, PhD
ks5uq@virginia.edu
434-297-6650

12. **Genomic Engineering Shared Resource (GESR)**
State-of-the-art CRISPR-based genome engineering of mammalian cell lines.

Brian Ruis, MS
szz4sh@virginia.edu
434-297-9458

13. **Metabolomics and Lipidomics Shared Resource**
Advanced mass spectrometry instrumentation and qualified staff providing planning, design and high-quality data.

Todd Fox
tfox@virginia.edu
434-297-6516

14. **Molecular Electron Microscopy Core (MEMC)**
High-resolution electron cryomicroscopy and cryotomography including 120kV Spirit, 200kV F20, 200kV Glacios, and 300kV Titan Krios transmission electron microscopes.

Michael D. Purdy, PhD
mpurdy@virginia.edu
540-255-3953

15. **Molecular Imaging Core (MIC)**
Imaging small animals and samples through a variety of modalities.

Maurits Jansen, PhD
m.a.jansen@virginia.edu
434-924-5096

16. **Molecular Immunologic Translational Sciences (MITS) Core**
Services include therapeutic testing in xenograft and syngeneic murine and rodent models, flow cytometric cell staining and analysis, and multiplex immunofluorescent histology staining and analysis.

Ileana Mauldin, PhD
is3v@virginia.edu
434-982-3508

17. **Non-Treatment Research Operations Group (NTRO)**
Manages patient-facing aspects and data entry needs for non-therapeutic clinical trials and other non-interventional research.

Emily Leytham, CCRC
el5mf@uvahealth.org
434-243-4717

18. **Partners in Discovery**
Facilitates collection and sharing of patient biospecimens and clinical and genomics data, and participation in investigator-initiated projects.

Elizabeth Mulcahy, PhD
qx3k@uvahealth.org
434-243-3983

19. **Population Health and Cancer Outcomes Core (PHCOC)**
Supports extensive population-based cancer research, spanning cancer risk reduction and survivorship care, and offers a variety of services including data procurement, secure data storage, data analysis, expert aid for IRB applications, and patient-reported outcomes data collection.

Asal Pilehvari, PhD
ap4tq@virginia.edu

20. **Protocol Development Team**
Provides expertise in developing and implementing investigator-initiated clinical trials in oncology.

Kim Bullock, PhD, CCRP
kb9d@virginia.edu

21. **Radiochemistry Core**
High-quality radiopharmaceuticals that can be imaged by PET to meet preclinical and clinical needs.

Shivashankar Khanapur, PhD
krs5xf@virginia.edu
434-243-4969

22. **Research Development & Collaboration**
Promotes basic, clinical and population research by facilitating transdisciplinary collaboration, proposal development, and access to funding and other resources.

Jill Slack-Davis, PhD
jks6a@virginia.edu
434-243-8579

23. **Research Histology Core**
Quality histological technique, consultation and technical support across preclinical research disciplines.

Sheri VanHoose, AS, MLT (NCA)
slv4e@virginia.edu
434-924-9205

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