“The State of Research at the Larner College of Medicine” and the Dean’s Excellence in Research Awards Ceremony

Presented by
Gordon Jensen, M.D., Ph.D.
Senior Associate Dean for Research

Wednesday, October 27, 2021
4:00 P.M. - 5:00 P.M. • Via Zoom
Dean’s Excellence in Research Celebration

I. Welcome by Dean Page
II. Remarks by UVM VP for Research, Kirk Dombrowski
III. State of Research at LCOM by Senior Associate Dean Jensen
IV. Research Awards Celebration
State of Research

GORDON L. JENSEN, M.D., PH.D.
SENIOR ASSOCIATE DEAN FOR RESEARCH
THE ROBERT LARNER, M.D. COLLEGE OF MEDICINE
THE UNIVERSITY OF VERMONT
Research Updates

I. Pandemic
II. Firestone/CBSR
III. Faculty hires/recruitments
IV. Publications/grants
V. COBREs/NNE-CTR
VI. CORA
VII. Center for Health Services Research
VIII. Research cores/services/support
IX. Research objectives/opportunities
COVID-19 Pandemic in Vermont

7-day case average
Phase 3 Safety and Efficacy of AZD1222 (ChAdOx1 nCoV-19) Covid-19 Vaccine


• Randomized, double-blind, multicenter study assessing the safety, efficacy, and immunogenicity of AZD1222 compared to placebo for the prevention of COVID-19.

**Construction underway:**
11/6/20 (left) &
3/20/21 (right)

**Ceremonial Ground Breaking:**
9/30/21

**Topping Off & Beam Signing:**
4/27/21

**~50% completion:**
10/18/21
I. Holistic approach to space planning to combine available Firestone Medical Research Building (FMRB) and Health Science Research Facility (HSRF) space:
   • 31,000 NSF assigned of 46,000 NSF available = 68% committed
   • 15,000 NSF uncommitted to support LCOM strategic priorities

II. FMRB and HSRF space assignments by building level:
   • 1: Center for Biomedical Shared Resources (CBSR: Microscopy Imaging Center (MIC), Vermont Integrative Genomics Research (VIGR), Mass Spectrometry, Flow Cytometry, & Vermont Genetics Network (VGN))
   • 2: ~50% assigned to support Redox Biology and Vermont Lung Center (VLC)
   • 3: ~40% assigned to support UVM Cancer Center (UVMCC) EpiTeam
   • 4: Center for Cardiovascular & Brain Health (CCBH)

III. MEDPLEX space projected to be vacated:
   o Given: Pharmacology, VLC, & UVMCC
   o HSRF: MIC, Flow Cytometry, & VIGR

IV. Timeline: FMRB occupation process projected to begin December 2022
I. CBSR supported by NIH C06 biomedical facilities grant

II. Microscopy Imaging Center, VT Integrated Genomics Resource, Flow Cytometry, and Mass Spectrometry

III. Doug Taatjes, Ph.D., will serve as director

IV. Nicole DeLance, B.S., will serve as business manager

V. New website - [https://www.med.uvm.edu/cbsr/home](https://www.med.uvm.edu/cbsr/home)

VI. Target opening in new Firestone facility fall 2022
Particle Metrix ZetaView TWIN (Nanoparticle Analyzer)

For the analysis of biological nanoparticles: extra cellular vesicles (EVs), exosomes, virus, virus-like particles:
- Size
- Concentration
- Surface charge (zeta potential)

Lasers: 405 nm and 488 nm

Flow Cytometry and Cell Sorting Facility
UVM-LCOM, HSRF 305-307
# LCOM New Faculty Hires

<table>
<thead>
<tr>
<th>Faculty Hires</th>
<th>FY21</th>
<th>FY 20</th>
<th>FY 19</th>
<th>FY 18</th>
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<tr>
<td>Pathway</td>
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<tr>
<td>Tenure</td>
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<td>2</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Research</td>
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<td>5</td>
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<tr>
<td>Faculty Scientist</td>
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<td>1</td>
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## Open Recruitments

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<tr>
<td>Research</td>
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<tr>
<td>Faculty Scientist</td>
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Peer-reviewed Publications

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<td>2013</td>
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<td>2018</td>
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<tr>
<td>2019</td>
<td>981</td>
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<td>2020</td>
<td>983</td>
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Major Individual Grant Awards FY 21

I. $5.4M – J. Shaw – VCHIP – VT Health
II. $3.9M – S. Higgins – TCORS - NIH
III. $2.7M – R. Tracy – RTI International
IV. $2.6M – M. Cushman – COBRE - NIH
V. $2.3M – S. Higgins – COBRE - NIH

All awards in $ millions

VI. $2.2M – B. Kirkpatrick – COBRE – NIH
VII. $1.9M – R. Budd – COBRE - NIH
VIII. $1.8M – S. Doublie – program project - NIH
IX. $1.7M – H. Garavan - NIH
X. $1.6M – G. Stein – NNE-CTR – NIH and $1.6M program project – NIH

Total LCOM grant funding FY21 = $99.5 million
I. Vermont Center on Behavior and Health  
   • Stephen Higgins, PI

II. Translational Global Infectious Disease Research  
   • Beth Kirkpatrick, PI

III. Vermont Center for Cardiovascular and Brain Health  
   • Mark Nelson, Mary Cushman, PIs

IV. Northern New England Clinical and Translational Research Network  
   • Gary Stein, PI
Vermont Center on Behavior and Health: Accomplishments

I. Successful competitive renewal of NIDA T32 pre-doctoral and postdoctoral training program for years 31-35.


IV. VCBH Associate Director, Philip Ades, MD, honored with the LCOM Department of Medicine Distinguished Mentor Award.

V. http://www.med.uvm.edu/behaviorandhealth/home
Translational Global Infectious Diseases Research Center Accomplishments

I. Recruited three new junior faculty: Dr. Bruno Martorelli-DiGenova (LCOM), Dr. Emily Bruce (LCOM) and Dr. Jean-Gabrielle Young (CEMS).

II. Received a competitive NIH NIGMS supplement on modeling for pandemic preparedness, led by Jason Bates and submitted another large NSF planning grant for a center for pandemic preparedness at UVM.

III. Awarded four competitive new pilot awards: COVID epitope discovery (Majumdar), refugee health (Gleason), COVID transmission dynamics (Nowak) and SARS lung pathogenesis (Thali).

IV. Began new monthly academic sessions focused on infectious disease modeling, vaccinology, grant reviews, and a rotating boot camp (currently on the principles of data management).

V. https://www.med.uvm.edu/tgircobre/home
Accomplishments

• **Four Project Directors:** 10 manuscripts, 12 presentations
• **Pipeline Investigators:** 30 people from 5 UVM Colleges
• **Highlights**
  • Annual Symposium in June
  • Monthly Conference and Journal Club
  • Cores
    • Study Design and Molecular Epidemiology: Neil Zakai and Peter Durda
    • Customized Physiology and Imaging: Todd Clason
  • Website launched: [www.med.uvm.edu/heartbrainhealth](http://www.med.uvm.edu/heartbrainhealth)

Pilot Grants: $200K over 2 years

**1st Grant Awarded:** Determining the Structural Basis of Amyloid-β Fibril Cytotoxicity

Watch for the RFA for the upcoming Pilot in Dec.

Masayo Koide
2Y grant from Orphan Disease Center
2020 Million Dollar Bike Ride

Osama Harraz
Early Career Editorial Board for *Physiological Reviews* (IF 37.3)

Abbie Johnson: 9th percentile on NIH R01 (1st submission)!
NNE-CTR Accomplishments

I. Notable Pilot Projects
   • Impact of social distancing policies on well being of older adults
   • Development of messaging to encourage COVID-19 vaccine uptake among rural Americans
   • Implementation and validation of Field Assessment Stroke Triage for Emergency Destination (FAST-ED) in a rural EMS region
   • Emergency department-initiated buprenorphine intervention for opioid use disorder
   • Investigation of food insecurity during the pandemic in collaboration with the Gund Institute

II. Funded Grants
   • COVID testing hesitancy
   • COVID-19 vaccination hesitancy
   • Rural addiction treatment access
   • HPV vaccination hesitancy

III. Submitted 5-year renewal proposal

IV. http://www.med.uvm.edu/nne-ctr/home
Epigenetic Control in Cancer

I. New program project – funded by NCI at $9M over 5 years

II. Objective - identify new targets for breast cancer prevention and treatment

III. Principal investigators - Gary and Janet Stein

IV. Participants
   • Seth Fritze, Karen Glass, Prachi Ghule, Jonathan Gordon, Peter Kaufman, Gary Stein, Janet Stein, Jane Lian, Pamela Vacek, and Donald Weaver

V. Projects
   • Compromised epigenetic regulation of genome organization and expression
   • Epigenetic mechanisms controlling genes in breast cancer onset and progression
   • Noncoding RNAs in breast cancer biology and pathology
Accomplishments:

• 12 Community Rounds webinars with ~1,585 attendees to date.
• Peer-to-peer mentoring and consultations to assist rural providers.
• UVM CORA Best Practices Scholarship Program provides rural practices the opportunity for 2 days of in-person comprehensive training/consultation.
• Provided ~300 presentations to diverse audiences.

In the year ahead:

• Establish a novel, interdisciplinary Clinical Rapid Response Team, to provide direct care to patients in their rural home communities and in partnership with their rural PCPs.
• Launch an Evidence-Based Practices Office Hours platform to aid rural providers with consultations on specific patient cases/clinical issues.
• Continue the UVM CORA Best Practices Scholarship Program.
I. Research Updates
   • Active research projects with UVMHN, OneCare and VT State Government
   • Focus on evaluation of care and financing innovation and the effect on outcomes, quality of care and total cost
   • New collaboration with University of Southern Maine to focus on regional health delivery questions
   • New grant funding from both internal and external sources

II. Data projects
   • New DUA to allow LCOM faculty access to full state discharge data including restricted data elements
   • VHCURES was linked to both vital statistics and cancer registry
   • Behavioral Risk Factor Surveillance Survey with zip code level identifiers

III. https://www.med.uvm.edu/healthservicesresearch/home
Research Cores and Services

http://med.uvm.edu/research/corefacilities

<table>
<thead>
<tr>
<th>LCOM Cores</th>
<th>Other Resources</th>
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<tbody>
<tr>
<td>Microscopy Imaging</td>
<td>Grant proposal development and writing</td>
</tr>
<tr>
<td>Flow Cytometry</td>
<td>Clinical Trials Management System – acquisition ongoing</td>
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<tr>
<td>VT Integrative Genomics</td>
<td>Mentorship initiatives</td>
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<tr>
<td>• DNA Analysis</td>
<td>Genomic Medicine Laboratory</td>
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<tr>
<td>• Microarray</td>
<td>Investigational Pharmacy</td>
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<tr>
<td>• Massively Parallel Sequencing</td>
<td>Medical Simulation Center</td>
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<tr>
<td>• Bioinformatics</td>
<td>VT Advanced Computing Center</td>
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<tr>
<td>MRI Center</td>
<td>Instrumentation and Model Facility</td>
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<tr>
<td>Biostatistics</td>
<td>Mass Spectrometry</td>
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<tr>
<td>Office of Clinical Trials Research (OCTR)</td>
<td>Proteomics</td>
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<tr>
<td>Clinical Research Center (CRC)</td>
<td>Biobank</td>
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<tr>
<td><strong>BSL-3 Facility – development of new shared resource</strong></td>
<td>Animal Facilities</td>
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<td><strong>Organoids – working group looking at options</strong></td>
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UVM Cancer Center Biobank

I. What is the Biobank?
   • UVMCC resource for cancer researchers established 1988
   • N = >4600 specimens; many matched tumor/normal patient samples

II. Services provided
   • Fresh-frozen surgical specimens and autopsy specimens
   • Specimen-associated clinical data
   • Biobank database search to match research goals to available specimens

III. How to access
   • Medical Director: Donald L Weaver, MD, Associate Medical Director: John DeWitt, MD, PhD
   • Technical Director: Mark Evans, PhD; Lead technologist: Christine Adamson
   • Website: https://www.med.uvm.edu/uvmcancercenter/core-facilities/biobank
Clinical Research Support - Directed by Kim Luebbers, MSHS, RN, BSN, Asst. Dean for Clinical Research

Office of Clinical Trials Research (OCTR) - FY21
- Regulatory, contact and budget support – 165 Agreements
- Research staff support – 124 projects, supporting 49 unique PIs
- Total profit $442,173, half of which was returned to the departments
- Research QA review conducted (regular QA review activity has been interrupted by the pandemic)

Clinical Research Center (CRC) - FY21
- Inpatient Research Unit containing the following resources: inpatient beds, research nurses, bionutrition kitchen and nutrition staff, physiology and exercise physiology staff, Informatics (REDCap) and support staff
- 75 projects, supporting 48 unique PIs
- 1,847 outpatient visits in the CRC, 1,210 at the Brickyard Research Clinic and conducted an additional 573 remote follow up visits
Research Navigators
Access via simple online consultation form
http://www.med.uvm.edu/clinicalresearch/research-navigator

Navigator Interactions

Types of Services Requested at UVM

- REDCap
- Introductory Meeting with Navigator - Faculty
- NNE-CTR
- EPIC
- Billing/Budget
- Protocol Development/Implementation
- ClinicalTrials.gov
- Collaborators
- Quality Assurance Monitoring Program
- Data Management (Security, Transferring data)
- QI/QA Projects
- Policies and Procedures
- Funding
- Data Management Office (UVM MC)
Fundamentals in the Conduct of Clinical Research

Required Clinical Research Coordinator Training Program
• Piloted Feb 2020, formally launched August 2020
• Conducted 14 sessions, 147 individuals have participated
  ◦ CITI Clinical Research Coordinator Foundations
  ◦ 10 hours, 4 – 2.5-hour sessions zoom classroom
  ◦ Competency Assessment

New initiatives:
I. LCOM Summer Research Fellowship Students Fundamentals in the Conduct of Clinical Research – Pilot training program launched spring 2021
II. PI training program for clinical investigators - pending
Research Support – Biomedical Statistics

I. Peter Callas, Ph.D., Core Director

II. Biomedical statistics support for consultation
   • Up to 5 hours of assistance per grant application is available for LCOM faculty members or trainees

III. Plan to integrate with the Center for Biomedical Shared Resources

IV. https://www.uvm.edu/biostatistics
Research Incentive Program

I. LCOM budgeted $1 million per year.

II. Amount of incentive based on a percentage of total F&A brought in by each qualified faculty member. Can be used as unrestricted fund or additional pay.

III. Monitoring outcomes with faculty working group.

IV. Payments for FY21 will be forthcoming.
Salary support for PI’s for major institutional grant opportunities

I. LCOM has budgeted $100K annually to provide 20-40% effort of PI salary at the NIH cap for a maximum of 3 months to support development and submission of training or other major institutional grant opportunities.

II. Should support 3-9 faculty members annually depending upon the award amounts.

III. Announcement with instructions has been disseminated.
   - Maximum 3 page outline application including requested details.
   - Supporting letter from department head.
   - Biosketch in NIH format.

IV. Ad hoc committee review

V. This support mechanism has already been associated with successful COBRE and training grant applications.
Salary support for PI’s of active funded training grants

I. LCOM will provide 5% effort for the PI of a funded T32 training grant at the NIH cap for up to 5-years corresponding to the period of grant funding. If there are two Co-PI’s, then the salary support can be split.

II. NIH T32 pre-doctoral and post-doctoral training grants are eligible.

III. To request support please submit the following to the Senior Associate Dean for Research.
   • Copy of training grant award letter.
   • If the grant is anything other than a funded NIH T32, then please provide a description of the training program and funding source.
   • To be eligible for consideration, a training grant must support multiple trainees and it should not provide salary support for PI’s or Co-PI’s.

IV. Training grant PI’s are currently being supported by this mechanism. Gary Ward- Microbiology/Immunology T32.
Pilot Research Funds

I. We have resumed our internal pilot and bridge support programs.
   • I would like to acknowledge the assistance of Matt Wargo, Ph.D., Chair, and other members of the Research Committee

II. In the context of the CBSR grant we will aim to resume targeted pilot funding in 2022 for new methodologies in basic research in conjunction with a research core.
Medical Student Research

I. Renee Stapleton, M.D., Ph.D., Director Medical Student Research

II. Summer research fellowship program between 1\textsuperscript{st} and 2\textsuperscript{nd} years
   • Set new record this past year with 41 funded participants

III. Students are also engaged in research projects in Public Health

IV. We are also offering an internally funded research gap year fellowship between years 3 and 4

V. Focused on increasing awareness of opportunities
UVM Health Network Research Opportunities

I. Network research working group is now meeting regularly
   • Working with key leaders/stakeholders
   • Providing updates on Network research projects and opportunities
   • Electronic data access – working to overcome impediments
     ◦ Covered entity and risk concerns
     ◦ Restrictions on limited data sets containing private health information

II. Priority - enhance clinical trial opportunities/capabilities
Research Objectives Vision 2025

I. Improve infrastructure

II. Provide sustainable shared resources – CBSR, alignment bioinformatics/biostatistics

III. Enhance data processing and storage capabilities

IV. Focus on current strengths and future opportunities

V. Support innovation and entrepreneurship

VI. Strengthen mentorship and career development for faculty, students, and trainees

VII. Maximize faculty recruitment and retention

VIII. Diversify funding portfolio for research support
State of Research at LCOM

I. We will disseminate my presentation.

II. Please reach out with any questions or feedback.

III. Gordon.jensen@med.uvm.edu
Dean’s Excellence in Research Awards
2021 UVM Medical Alumni Association
Distinguished Graduate Alumni Award

I. Presented yesterday to Junjie Chen, Professor and Chair, Department of Experimental Radiation Oncology, Division of Radiation Oncology, The University of Texas MD Anderson Cancer Center, Houston, TX

II. Ph.D., University of Vermont, Cell and Molecular Biology, 1993

III. Significant contributions to the field of genomic stability, especially in the area of DNA damage responsive pathways and cancer biology.

IV. Award presentation entitled “Random Thoughts Between Experiments”
Research Laureate Address Earlier Today
“Obesity and Asthma, how Fat affects Flow”

I. Anne Dixon, M.D.
   • Professor of Medicine, Dept. of Medicine, Division Pulmonary Disease and Critical Care, Director Vermont Lung Center

II. Highlights
   • Paradigm shifting research on obesity and asthma.
   • Published >120 peer-reviewed papers in high-impact journals.
   • Continuous NIH funding since 2000. PI for multiple NIH grants.
   • Mentored >25 medical and graduate students, residents, and fellows.
   • Served on multiple grant review panels including NIH K23, and Special Emphasis, and VA grants.

The University of Vermont
LARNER COLLEGE OF MEDICINE
Research Celebration Awards Program

I. Graduate student research showcase awards
II. Trainee awards - outstanding research publication
III. UVM Health Network Medical Group
IV. UVM LCOM Staff
V. UVM LCOM Faculty

Awards will be forwarded via interoffice mail.
Graduate Student Research Showcase

Congratulations to all participants and award recipients!

Junior Graduate Division
First Place: Bryn Loftness
(McGinnis Lab, Psychiatry & Complex Systems)
Runner-up: Allison Morrissey
(Lee Lab, MMG & CMB)

Senior Graduate Division
First Place: JJ Bivona
(Poynter Lab, Medicine & CMB)
Runner Up: Jeffrey Brabec
(Mahoney Lab, Neurological Sciences & NGP)
Dean’s Excellence in Research Awards

I. Graduate Student – Outstanding Research Publication

II. Leslie Sepaniac – mentor Jason Stumpff, Ph.D.

I. Medical Student – Outstanding Research Publication

II. Rhys Niedecker, M.S. – mentor Gregory L. Holmes, M.D.

Dean’s Excellence in Research Awards

I. **Postdoctoral Fellow – Outstanding Research Publication**

II. **Michelle Kloc, Ph.D.** – mentor Jeremy Barry, Ph.D.

Dean’s Excellence in Research Awards

I. **Resident – Outstanding Research Publication**

II. **Stephen Ranney, M.D.** – mentor Ajai K Malhotra, M.D., F.A.C.S.

Research Grants

I. PI – Sherrie Khadanga, Cardiology; Mentor – Michael Toth, Medicine; Mentor – Peter Van Buren, Medicine
   • Neuromuscular Electrical Stimulation in Heart Failure Patients to Improve Functional Recovery Following Hospitalization (NeuRecover)

II. PI - Diego Adrianzen-Herrera, Hem/Onc; Mentor – Neil Zakai, Hem/Onc; Andrew Sparks, Research Biostatistician
   • Identifying patient and treatment factors associated with cardiovascular disease in myelodysplastic syndromes
Innovation Grant

1. PI - Michael Hehir - Neurology; Mentor - Noah Kolb, Neurology; Bernard Cole, Mathematics and Statistics.
I. Faculty Practice - Junior Researcher of the Year: Timothy Plante, M.H.S., M.D.
- Assistant Professor of Medicine

II. Highlights
- Received 2 grants as PI and is co-investigator on several other grants.
- Recipient of the UVM Bloomfield Early Career Professorship in Cardiovascular Science.
- Published 29 research articles over 5 years total, which have accumulated 397 citations.
- Served as primary research mentor to 4 UVM medical students.
- Studying hypertension using Electronic Health Record data and translational approaches.
UVM Health Network Medical Group

I. Faculty Practice - Senior Researcher of the Year: Roger Soll, M.D.
   • H. Wallace Professor of Neonatology

II. Highlights
   • Vice President of the Vermont Oxford Network & Director of Network Clinical Trials.
   • Coordinating editor of Cochrane Neonatal.
   • Author/co-author of 39 Cochrane Reviews, 167 peer-reviewed papers and 14 book chapters.
   • National and international leader in neonatal clinical trials and health services research.
Dean’s Excellence in Research Awards

I. **Research Laboratory Staff**

II. **Susan Richardson** – Nominated by Valerie Harder, Pediatrics
Dean’s Excellence in Research Awards

I. Clinical Research Coordinator Staff

II. Alexander Friend – Clinical Research Coordinator, Nominated by Melissa Davidson, Anesthesiology

III. Patricia Lutton – Clinical Research Coordinator, Nominated by Beth Kirkpatrick/Mary Claire Walsh, Microbiology and Molecular Genetics
Dean’s Excellence in Research Awards

I. Dean’s Research Mentorship Award

II. Jason Bates Ph.D. – nominated by Medicine Research Committee
   • Professor of Medicine, Dept. of Medicine, Division Pulmonary Disease and Critical Care

III. Highlights
   • Dr. Bates has mentored 36 post-doctoral trainees (23 M.D. & 13 Ph.D.), 25 graduate students (7 masters and 18 PhD), numerous undergraduate and high school students, and 4 junior faculty NIH K-Awardees.
   • Over the past 22 years at UVM, his mentees have included 17 postdocs, 16 graduate students and 4 junior faculty. Many of these individuals are gone on to prominent research careers.
   • Dr. Bates was the founder of the Bioengineering PhD Program at UVM and until recently was the Graduate Coordinator of that program.
   • Dr. Bates has been a long-standing Co-PI of the T32 Training Grant in Lung Biology and Disease (PI: Matthew Poynter).
Dean’s Excellence in Research Awards

I. Dean’s Clinical Trials Research Award

II. Richard Soloman, M.D. – nominated by Medicine Research Committee
   • Patrick Professor of Medicine, Dept. of Medicine, Chief, Division of Nephrology

III. Highlights
   • His first prospective randomized clinical trial was a seminal paper published in the NEJM that examined the role of fluid administration in prevention of contrast-related acute kidney injury (AKI).
   • Over 28 years he conducted larger, multicenter, prospective randomized trials that explored the role of different contrast agents, use of sodium bicarbonate and atrial natriuretic peptide, and more recently, low frequency ultrasound to prevent contrast associated AKI.
   • Dr. Solomon has designed and managed many of the national multicenter trials looking to prevent AKI as well as being site PI for trials to slow progression of chronic kidney disease using angiotensin receptor blockers, and mineralocorticoid receptor blockers.
Dean’s Excellence in Research Awards

I. Dean’s Rising Star New Investigator Award (Assistant Professor)

II. Michael Previs, Ph.D. - nominated by David Warshaw
   • Assistant Professor, Department of Molecular Physiology and Biophysics

III. Highlights
   • Applied state of the art proteomic and biophysical techniques to investigate the molecular basis of cardiac and skeletal muscle contractile function in human health and disease.
   • He has 33 peer-reviewed papers and has published in high-impact journals like Journal of Molecular and Cellular Cardiology, Journal of General Physiology and PNAS.
   • He has contributed to mechanistic understanding of how a cardiac contractile protein regulator, MyBP-C, operates at the molecular level. His findings provide critical clues as to why genetic mutations in this protein are the leading cause of cardiac hypertrophy and offer a molecular mechanistic target for therapeutic intervention.
Dean’s Excellence in Research Awards

I. Dean’s Mid-Career Investigator Award (Assoc. Professor)

II. Jason Stumpff, Ph.D. - nominated by David Warshaw
   • Associate Professor, Molecular Physiology and Biophysics

III. Highlights
   • Research program focused on understanding how chromosomes are moved and organized during cell division from the single molecule to whole organism level.
   • Better understanding of mechanisms that preserve genomic integrity, and also identification of new molecular targets for cancer therapy.
   • Competitive research awards: Leukemia and Lymphoma Society Special Fellow Award, March of Dimes Basil O’Connor Starter Scholar Research Award, and Susan G. Komen Career Catalyst Research Award. Principal investigator of 2 current NIH R01s.
   • Published 41 peer-reviewed papers.
Dean’s Excellence in Research Awards

I. Dean’s Research Laureate Award (Professor)

II. Yvonne Janssen-Heininger, Ph.D. - nominated by Mark Fung
   • Professor of Pathology and Laboratory Medicine

III. Highlights
   • Recipient of prestigious R35 Outstanding Investigator Award by NIH (2017). Awarded sixteen R01 grants.
   • Named University Scholar at UVM (2018).
   • Issued 5 US Patents and 2 International Patents.
   • Published 217 papers and 15 book chapters; papers cited 6,365 times.
   • Recipient of the LCOM Dean’s Research Mentor Award (2017).
   • Supervised the research of 29 graduate students, 11 post-doctoral fellows, and 9 undergraduate students.
Acknowledgments

I. Chris Berger, Elizabeth Dohrman, Erin Montgomery, Joann McVeigh, Vicki Gilwee, and Bruce Kimball

II. All of our award nomination reviewers and judges

To all of our research faculty, staff, and trainees: Thank you for your many contributions to our research mission.

Gordon Jensen