

CURRICULUM VITAE  
Stephan Peter Pirnie

Business Address: 20 Powell Ave, Newport RI, 02840  
Business Telephone Number: 401-845-1652  
Business Fax Number: 401-845-1198  
Electronic Mail Address: [spirnie@lifespan.org](mailto:spirnie@lifespan.org)

EDUCATION

**University of New Hampshire—Durham, NH**

B.S.—Biology: Molecular, Cellular and Development August 2003-May 2007  
Summa Cum Laude, Honors Thesis Completed

**University of Connecticut School of Medicine—Farmington, CT**

Ph.D.—Biomedical Sciences August 24<sup>th</sup> 2009-May 8<sup>th</sup> 2017  
Concentration in Genetics and Developmental Biology  
M.D. August 24<sup>th</sup> 2009- May 8<sup>th</sup> 2017

POSTGRADUATE TRAINING

**University of Massachusetts Medical School—Worcester, MA**

Internal Medicine Residency Program, Internship July 1<sup>st</sup> 2017-June 30<sup>th</sup> 2018

**University of Michigan, Michigan Medicine—Ann Arbor, MI**

Physical Medicine and Rehabilitation Residency Program July 1<sup>st</sup> 2018-June 30<sup>th</sup> 2021

POSTGRADUATE HONORS AND AWARDS

University of Michigan PM&R residency program Theodore Cole Resident Clinician Award,  
June 2021

Michigan Medicine “Making the Difference” award for patient care, July 2019

UNH Chapter of Alpha Chi Sigma Charles James Research Award, June 2007

UNH Undergraduate Research Conference Vice Presidents Award of Excellence in Research,  
May 2006

UNH Undergraduate Research Conference Professional Development Award, May 2006

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

RI Medical License MD1753	3/17/2021
RI Controlled Substance Registration CMD17534	3/17/2021
Federal DEA Controlled Substance License (License # withheld)	4/20/2021
Michigan Medical Training Limited License 4351029533	6/1/2018
Massachusetts Medical Training License 272336	5/25/2017
American Board of Physical Medicine and Rehabilitation 14539	7/1/2022

## HOSPITAL APPOINTMENTS

Staff Psychiatrist, Lifespan hospital System  
Newport Hospital, Newport RI  
Rhode Island Hospital, Providence RI  
8/1/2021-present

Resident Physician, PM&R  
Michigan Medicine, Ann Arbor MI  
St. Joseph's Mercy Hospital, Ann Arbor MI  
7/1/2018-6/30/2021  
7/1/2020-6/30/2021

Resident Physician-Internal Medicine Intern  
UMass Memorial Hospital  
7/1/2017-6/60/2018

## HOSPITAL COMMITTEES

Newport Hospital/Vanderbilt Rehabilitation Center Epic's Rehab Module Implementation Team  
October 2021-present

## ACADEMIC APPOINTMENTS

2022-Present Assistant Clinical Professor of Neurology—Warren Alpert Medical School of  
Brown University

## UNIVERSITY COMMITTEES

2019-2021 University of Michigan PM&R Residency Research co-lead  
2018-2021 University of Michigan PM&R Residency Brain injury education resident  
representative  
2018-2021 University of Michigan PM&R residency podcast committee

## MEMBERSHIP IN SOCIETIES

2020-present American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM)  
2022-present Neuromuscular/Musculoskeletal Self-Assessment Exam Committee  
2016-present American Association of Physical Medicine and Rehabilitation (AAPM&R)

## PUBLICATIONS LIST

### ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Zhu Y, **Pirnie SP**, Carmichael GG. High-throughput and site-specific identification of 2'-O-methylation sites using ribose oxidation sequencing (RibOxi-seq). RNA. 2017 Aug;23(8):1303-1314.
2. **Pirnie SP**, Osman A, Zhu Y, Carmichael GG. An Ultraconserved Element (UCE) controls homeostatic splicing of ARGLU1 mRNA. Nucleic Acids Res. 2017 Apr 7;45(6):3473-3486.
3. Surolia I, **Pirnie SP**, Chellappa V, Taylor KN, Cariappa A, Moya et al. Functionally defective germline variants of sialic acid acetyltransferase in autoimmunity. Nature. 2010 Jul 8;466(7303):243-7.

### OTHER PEER-REVIEWED PUBLICATIONS

4. Autuoro JM, **Pirnie SP**, Carmichael GG. Long noncoding RNAs in imprinting and X chromosome inactivation. Biomolecules. 2014 Jan 7;4(1):76-100.

5. Pillai S, Cariappa A, **Pirnie SP**. Esterases and autoimmunity: the sialic acid acetyltransferase pathway and the regulation of peripheral B cell tolerance. Trends Immunol. 2009 Oct;30(10):488-93.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA  
NON-PEER-REVIEWED

1. University of Michigan PM&R Residency Podcast 2019  
<https://podcasts.apple.com/us/podcast/university-of-michigan-pm-r-podcast/id1468813902>

INVITED PRESENTATIONS

National Academic Presentations and Abstracts

1. 2014 **Pirnie SP**, Carmichael GG. An Ultraconserved Element Controls Splicing of Differentially Localizing ARGLU1 mRNA. 29th Annual MD/PhD National Student Conference. Keystone, CO. 7/18-21/2014

International Academic Presentations and Abstracts

2. 2015 **Pirnie SP**, Carmichael GG. Development of a High Throughput Method to Assess Genome-wide RNA 2'-O-Methylation. Gordon Research Conference on RNA Editing, Lucca, Italy. 3/8-3/13/2015.
3. 2014 **Pirnie SP**, Carmichael GG. An Ultraconserved Element Controls Alternative Splicing of Differentially Localizing ARGLU1 mRNA. 19th Annual RNA Society Meeting, Quebec City, Quebec, Canada. 6/3-6/8/2014.
4. 2012 **Pirnie SP**, Carmichael GG. Ultraconserved Intron Leads to Nuclear Retention of Partially Spliced ARGLU1 RNA. 2012 Annual Riboclub Meeting, Orford, Quebec, Canada. 9/24-9/26/2012.

Intramural/Regional Academic/Educational Presentations

5. 2021 University of Michigan PM&R Theodore Cole Research Day—**Pirnie SP**, Korley F, Eckner JT. Cognitive and Functional Outcomes following Presentation to the ED for Possible Traumatic Brain Injury.
6. 2021 University of Michigan PM&R Grand Rounds—There and Back: An update on the Molecular and Cell Biology of Peripheral Nerve regeneration following injury.
7. 2020 University of Michigan PM&R Theodore Cole Research Day—**Pirnie SP**, Korley F, Eckner JT. Cognitive and Functional Outcomes following Presentation to the ED for Possible Traumatic Brain Injury.
8. 2019 University of Michigan PM&R morbidity and Mortality Grand Rounds.
9. 2018 UMass Memorial Medical Center Internal Medicine Educational Conference—Landmark Papers in the use of Monoclonal Antibody treatment for Inflammatory Bowel Disease.
10. 2016 Uconn Health Center 12th Annual Symposium on Patient Safety & Continuous Quality Improvement—Use of Hgb A1c as a measure of risk for hypoglycemia in the elderly.
11. 2015 Uconn School of Medicine—Dissertation Defense—An Ultraconserved Element Controls Homeostatic Splicing of ARGLU1 mRNA.

GRANTS

2005-2007 University of New Hampshire Undergraduate Research Opportunities Grants

UNIVERSITY TEACHING, ADVISING and MENTORING ROLES

University of Michigan PM&R Resident Foundations Lecture Series—Basics of Rehabilitation  
Care for patients with Spinal cord Injury July 2019

Warren Alpert Medical School of Brown University—Course director Introduction to Physical  
Medicine and Rehabilitation (PM&R): Preclinical Elective Spring 2022-Present

HOSPITAL TEACHING, ADVISING and MENTORING ROLES

Precepted Rotating PM&R Elective Students September 2021-present