

CURRICULUM VITAE
Natasha Renee Rybak, M.D.

Business Address	Division of Infectious Diseases The Miriam Hospital 164 Summit Avenue CFAR/RISE Building Providence, RI 02906	July 2020
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EDUCATION

Undergraduate	University of New Hampshire, Durham, NH B.S. Microbiology / International Affairs Minor: Russian Language, 1999
Medical School	Combined Brown-Dartmouth Medicine Program 2003- 2007 Geisel School of Medicine at Dartmouth College Hanover, NH 2003-05 Warren Alpert Medical School of Brown University 2005-07

POSTGRADUATE TRAINING

Residency	Residency in Internal Medicine/Pediatrics Warren Alpert Medical School of Brown University 2007-11
Fellowship	T32 Research Fellow Tufts University Medical Center, Boston, Massachusetts 2011-12 Cofounded the collaboration between Brown University & Ukraine ANTIAIDS Foundation to support capacity building and evidence-based care to improve the lives of women and children living with HIV/AIDS in Ukraine.
Fellowship	Internal Medicine & Pediatric Infectious Diseases Fellowship Warren Alpert Medical School of Brown University 2012-16

POSTGRADUATE HONORS AND AWARDS

2004	Speaker; White Coat Ceremony Dartmouth Medical School, Class of 2008
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- 2004-05 Albert Schweitzer Fellowship
Dartmouth Medical School
- 2005 Exceptional Community Service Award
Dartmouth Hitchcock Hospital

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

- 2010-present Rhode Island Medical License Registration #MD13759
- 2011 Board Certification in Pediatrics
American Board of Pediatrics
- 2013 Board Certification in Internal Medicine
American Board of Internal Medicine
- 2016 Board Certification in Adult Infectious Diseases
American Board of Internal Medicine
- 2017 Board Certification in Pediatric Infectious Diseases
American Board of Pediatrics

ACADEMIC APPOINTMENTS

- 2011-12 Research Associate
Warren Alpert Medical School of Brown University
- 2017- Assistant Professor of Medicine, Clinician Educator
Department of Medicine, Division of Infectious Diseases
Warren Alpert Medical School of Brown University

HOSPITAL APPOINTMENTS

- 2016- Medical Director, RISE Tuberculosis (TB) Clinic
The Miriam Hospital
- 2016- Attending Physician
Department of Medicine, Division of Infectious Diseases
Rhode Island Hospital, The Miriam Hospital
Hasbro Children’s Hospital, Newport Hospital
- 2016- Member, Courtesy medical staff
Women and Infants Hospital of Rhode Island
- 2016- Staff Pediatrician, courtesy
Bradley Hospital, East Providence, RI.

OTHER APPOINTMENTS

- 1994-99 Supervisor, UNH Survey Center, Durham, NH
Trained new employees on effectively interviewing via telephone.
Coordinated and supervised survey shifts.
- 1999-2000 Research Technician, Brigham and Women's Hospital, Boston, MA
Departments of Rheumatology and Immunology. Used various molecular
techniques to characterize human mast cell tryptases.
Responsible for running a core DNA sequencing facility.
- 2000-03 Research Assistant, Harvard School of Public Health, Boston, MA
Departments of Immunology and Infectious Disease. Working on HIV
vaccine development with Dr. Vladimir Novitsky in laboratory of Dr. Max
Essex. Involved testing CTL responses, HLA typing, and drug-resistance
mutation screening for HIV.
- 2003-05 Student Representative to the Dartmouth Alumni Committee
International Health subcommittee
- 2004 Research on ELISPOT assay vs. Intracellular cytokine staining
for determination of immunogenic HIV epitope mapping
Botswana-Harvard HIV Partnership, Gabarone, Botswana
- 2005 Foreign Studies Fellowship, International Health Institute
Brown University
- 2006 Foreign Studies Fellowship: Rumonge, Burundi. Compared clinical
diagnosis, rapid malaria testing and microscopic diagnosis of malaria.
- 2006-07 Brown Medical School Representative to the Internationalization
Committee at Brown University
- 2007-08 Tolyatti, Russia: Latent TB Prophylaxis as a Model of HIV Care.
Collaborated with Russian partners through a Civilian Research Defense
Fund (CRDF) project to model an interdisciplinary approach to provide
comprehensive health care to HIV/TB infected patients in Tolyatti,
Russia.
- 2008-present Member, Board of Directors, American Medical Resources Foundation
(AMRF).
- 2009-present Co-founder; Brown University Ukraine Collaboration. Working with
Ukrainian health providers and academic institutions to develop
research capacity in Ukraine to address the critical challenges of TB,
MDR-TB and HIV/TB co-infection.
- 2009 Village Health Works. Primary care clinician for pediatric and adult
patients in rural clinic in Kigutu, Burundi.

- 2010 Bamako, Mali. Worked with GAIA (Global Alliance to Immunize Against AIDS Vaccine Foundation) to evaluate the Prevention of Mother to Child Transmission of HIV Project. Worked with Malian health staff in community clinics.
- 2010-11 BRIGHT- Brown Residency International Global Health Training Pathway, Resident Representative to Executive Committee
- 2017-present Tuberculosis Transformative Science Group (TBTSG) Committee
AIDS Clinical Trials Group
- 2018-present Tuberculosis Transformative Science Group (TBTSG)
AIDS Clinical Trials Group
Study Pediatrician: A Phase III, Randomize Controlled Trial For the Treatment of Isoniazid Mono-Resistant Tuberculosis: The FIRST Study
- 2018-present BRIM (Bias Reduction in Internal Medicine)
NIH/NIGMS, Maximizing Investigator's Research Award: Diversifying the Scientific Workforce BRIM Initiative Local Lead, Warren Alpert Medical School of Brown University

UNIVERSITY COMMITTEES

- 2017-present Member, Residency Selection Committee
Internal Medicine Residency Program
Warren Alpert Medical School of Brown University

MEMBERSHIP IN SOCIETIES

- 2007-present American Academy of Pediatrics
- 2012-present Infectious Diseases Society of America
- 2012-present Pediatric Infectious Diseases Society
- 2013-present International Union Against Tuberculosis and Lung Disease

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Novitsky V, **Rybak N**, McLane MF, Gilbert P, Chigwedere P, Klein I, Gaolekwe S, Chang SY, Peter T, Thior I, Ndung'u T, Vannberg F, Foley BT, Marlink R, Lee TH, Essex M. Identification of human immunodeficiency virus type-1 subtype C Gag-, Tat-, Rev-, and Nef-specific elispot- based cytotoxic T-lymphocyte responses for AIDS vaccine design. (2001) *J Virol.* Oct;75 (19):9210-28, PMID:11533184. PMCID: PMC114489
2. Novitsky V, Cao H, **Rybak N**, Gilbert P, McLane MF, Gaolekwe S, Peter T, Thior I, Ndung'u T, Marlink R, Lee TH, Essex M. Magnitude and frequency of cytotoxic T-

lymphocyte responses: identification of immunodominant regions of human immunodeficiency virus type 1 subtype C. (2002) *J Virol.* Oct;76 (20):10155-68, PMID: 12239290. PMCID: PMC136554

3. Novitsky V, Smith UR, Gilbert P, McLane MF, Chigwedere P, Williamson C, Ndung'u T, Klein I, Chang SY, Peter T, Thior I, Foley BT, Gaolekwe S, **Rybak N**, Gaseitsiwe S, Vannberg F, Marlink R, Lee TH, Essex M. HIV-1 subtype C molecular phylogeny: consensus sequence for an AIDS vaccine design? (2002) *J Virol.* Jun;76 (11): 5435-51. PMID: 11991972. PMCID: PMC137027
4. Novitsky V, Gilbert P, Peter T, McLane MF, Gaolekwe S, **Rybak N**, Thior I, Ndung'u T, Marlink R, Lee TH, Essex M. Association between virus-specific T-cell responses and plasma viral load in human immunodeficiency virus type 1 subtype C infection. (2003) *J Virol.* Jan;77(2):882-90, PMID: 12502804. PMCID: PMC140844
5. Novitsky VA, Gilbert PB, Shea K, McLane MF, **Rybak N**, Klein I, Thior I, Ndung'u T, Lee TH, Essex ME. Interactive association of proviral load and IFN-gamma-secreting T cell responses in HIV-1C Infection. (2006) *Virology.* May 25;349(1):142-55. PMID: 16519915
6. Chan PA, Mermel LA, Andrea SB, McCulloh R, Mills JP, Echenique I, Leveen E, **Rybak N**, Cunha C, Machan JT, Healey TT, Chapin KC. Distinguishing characteristics between pandemic 2009-2010 influenza A (H1N1) and other viruses in patients hospitalized with respiratory illness. (2011) *PLoS One.* 2011;6(9): e24734, PMID: 21949746. PMCID: PMC3174965
7. Zaller N, Mazhnaya A, Larney S, Islam Z, Shost A, Prokhorova T, **Rybak N**, Flanigan T. Geographic variability in HIV and injection drug use in Ukraine: Implications for integration and expansion of drug treatment and HIV care. (2015) *Int J Drug Policy.* Jan 26(1):37-42, doi: 10.1016/j.drugpo.2014.09.004, PMID: 25304049. PMCID: PMC4465255
8. Garcia A, Bachmaha M, Zaller N, **Rybak N**, Vasylev M, Dasho Y, Flanigan T, Sluzhynska M. Lessons Learned: A qualitative study of integrated care for HIV-infected injecting drug users in Lviv, Ukraine. (2015) *J Therapy Management HIV Infection.* Dec 2015; 3:1-6.
9. **Rybak N**, Carroll JJ, Bachmaha M, Garcia A, Vasylev M, Flanigan T, Sluzhynska M. HIV testing and entry into HIV care in Lviv, Western Ukraine 2005-2013. (2015) *J AIDS Clin Res* 2015; 6(8):494-9, doi:10.4172/2155-6113.
10. Aibana O, Bachmaha M, Krasiuk V, **Rybak N**, Flanigan TP, Petrenko V, Murray MB. Risk factors for poor multidrug-resistant tuberculosis treatment outcomes in Kyiv Oblast, Ukraine. (2017) *BMC Infect Dis.* Feb 7;17(1):129, doi: 10.1186/s12879-017-2230-2. PMID: 28173763. PMCID: PMC5294867
11. Dethier D, **Rybak N**, Hirway P, Bachmaha M, Carroll J, Sorokolit A, Flanigan T, Sluzhynska M. The changing face of women living with HIV in western Ukraine. (2018) *Int J STDS AIDS.* Mar 29(4):318-23, doi:10.1177/0956462417724708, PMID: 28771077.

12. Harausz EP, Garcia-Prats AJ, Law S, Schaaf HS, Kredt T, **Rybak N**, Treatment and outcomes in children with multi-drug resistant tuberculosis: a systematic review and individual patient data meta-analysis. (2018) *PLoS Med.* Jul 11;15(7): e1002591, doi: 10.1371/journal.pmed.1002591. PMID 29995958. PMCID: PMC6040687
13. Karanovic D, Michelow IC, Hayward, A, DeRavin SS, Delmonte OM, Grigg ME, Dobbs K, Niemela JE, Stoddard J, Alhinai Z, **Rybak N**, Hernandez N, Pittaluga S, Rosenzweig SD, Uzel G, Notarangelo LD. Disseminated and congenital toxoplasmosis in a mother and child with activated PI3-kinase delta syndrome type 2 (APDS2): Case report and a literature review of toxoplasma infections in primary immunodeficiencies. (2019) *Front Immunol.* February 14;10(77) 1-9, doi:10.3389/fimmu.2019.00077, PMID 30891027. PMCID: PMC6413717
14. Chiang S, Sheremeta Y, Padilla R, Jenkins H, Horsburgh Jr C, Petrenko V, **Rybak NR**. Pediatric multidrug-resistant tuberculosis in Kyiv City, Ukraine. (2019) *J Epidemiol Glob Health.* Mar 9(1):56-61, doi:10.2991/jegh.k.190225.002, PMID 30932391. PMCID: PMC7024600
15. Aibana O, Dauria E, Kiriazova T, Makarenko O, Bachmaha M, **Rybak N**, Flanigan TP, Petrenko V, Becker AE, Murray MB. Patients' perspectives of tuberculosis treatment challenges and barriers to treatment adherence in Ukraine: a qualitative study. (2020) *BMJ Open.* Feb 2;10(1): e032027. PMID: 32014870. PMCID: PMC7044979
16. Tape C, Byrd KM, Aung S, Lonks JR, Flanigan TP, **Rybak NR**. COVID-19 in a Patient Presenting with Syncope and a Normal Chest X-ray. (2020) *R I Med J.* Mar 26; 103(3): 50-1. PMID: 32226962
17. Sereda Y, Kiriazova T, Makarenko O, Carroll JJ, **Rybak N**, Chybisov A, Bendiks S, Idrisov B, Dutta A, Gillian FS, Samet JH, Flanigan T, Lunze K. Stigma and quality of co-located care for HIV-positive people in addiction treatment in Ukraine: a cross-sectional study. (2020) *J Int AIDS Soc.* May 25; 23: e25492. doi: 10.1002/jia2.25492. PMID: 32372534. PMCID: PMC7201176

OTHER PEER REVIEWED PUBLICATIONS

1. **Rybak N**. "Village health works" in Burundi. (2007) *Med Health RI.* Nov;90(11):356-7, PMID 18092487.
2. **Rybak N**, Koster M, Gilbert EB, Flanigan T. Building international collaborations from the ground up: Brown University partnerships in Haiti and Ukraine. (2013) *R I Med J.* Apr 1;96(4):33-7, PMID: 23641450.
3. LaCourse S, **Rybak N**, Lewis C, Gartman J, Larkin J, McLaughlin S, Toll ET. Health screening of newly resettled refugees in a primary care setting. (2013) *R I Med J.* Apr 1; 96(4):28-32, PMID 23641450.
4. **Rybak N**. Field Notes: A Dark Cloud; The Fight Against TB Carries on in Ukraine. (2015) *Brown Medicine Magazine.* Fall; 21(3): 22-3.

5. Aibana O, Slavuckij A, Bachmaha M, Krasiuk V, **Rybak N**, Flanigan T, Petrenko V, Murray MB. Patient predictors of poor drug sensitive tuberculosis treatment outcomes in Kyiv Oblast, Ukraine. (2017) *F1000Research*. 2017, 6:1873:1-9.
6. Szkwarko D, Bouton TC, **Rybak NR**, Carter EJ, Chiang SS. Tuberculosis: An epidemic perpetuated by health inequalities. (2019) *R I Med J*. Sep 3; 102(7): 47-50, PMID 31480821. PMCID: PMC7024599

PUBLICATIONS SUBMITTED OR IN PREPARATION

ABSTRACTS

1. Neduzhko O, Kiriazova T, Perehinets I, **Rybak N**, Zaller N, Bachmaha M, Flanigan T, and Skurkovich B. Pediatric HIV/TB Surveillance in Ukraine: Current Challenges and Needs. Poster Presentation at the European Society of Pediatric Infectious Diseases Conference (ESPID) in Milan, Italy May 28-June 31, 2013.
2. Garcia A, **Rybak N**, Vasylyev M, Zaller N, Sluzhynska M, Flanigan T. HIV Testing Results for Adults in Lviv, Ukraine 2005-2011: Where is the Epidemic? Poster Presentation at the 2014 CDC STD Prevention Conference in Atlanta, GA. June 9-12, 2014.
3. Petrenko VI, Prociuk RG, Radysh GV, Krasiuk VE, **Rybak N**, Flanigan T. Increasing Incidence of Tuberculosis in Kyiv, Ukraine and current challenges. Poster presentation at the 45th Union World Conference on Tuberculosis and Lung Health, Barcelona, Spain. November 2014.
4. Lyhovyd P, **Rybak N**, Bachmaha M. Using Internet Services for targeted TB screening in Ukraine. Oral presentation at the 45th Union World Conference on Tuberculosis and Lung Health, Barcelona, Spain. November 2014.
5. Petrenko VI, Radysh GV, Krasiuk VE, **Rybak N**, Flanigan T. Treatment of drug-resistant pulmonary tuberculosis: the clinical effectiveness and tolerability of fluoroquinolones including gemifloxacin. Oral presentation at the 45th Union World Conference on Tuberculosis and Lung Health, Barcelona, Spain. November 2014.
6. Dethier D, **Rybak N**, Hirway P, Sluzhynska M, Bachmaha M, Flanigan T. The Changing Face of Women Living with HIV in Lviv, Ukraine. Poster Presentation at the 2015 Congress on Women's Health; Washington, D.C., April 14-17, 2015.
7. Wasey A, Radysh A, Krasiuk V, Hirway P, Bachmaha M, Skurkovich B, Vivier P, **Rybak N**, Flanigan T, Petrenko V. Assessing Vaccine Attitudes and Beliefs Among Medical Students in Ukraine: Findings from a Survey Conducted at Bogomolets National Medical University. Poster Presentation at the European Society of Pediatric Infectious Diseases (ESPID) in Leipzig, Germany, May 12-16, 2015.

8. **Rybak N**, Wing E. A woman with drenching night sweats, high fevers and submandibular lymphadenopathy. Oral case presentation at ID Week; Infectious Diseases Society of America. San Diego, CA. October 7-11, 2015.
9. Padilla R, **Rybak N**, LaCourse S, Hippchen A, Kwara A. Tuberculosis Screening Among Pregnant and Postpartum Women in Rhode Island. Joint 20th Annual Conference of The Union- North American Region and National TB Controllers Association. Denver, CO. February 24-27, 2016.
10. Carroll J, **Rybak N**, Aibana O, Chybisov, A. "Beyond Biological Citizenship: Producing 'The Other' in Medicine and Public Health in Ukraine; Hospitalized Treatment in Children, Not Without Peril?" Oral Presentation at the Association for Slavic, East European and Eurasian Studies (ASEEES) and International Association for the Humanities (MAG). Summer Convention. Lviv, Ukraine. June 26-28, 2016.
11. **Rybak N**, Sheremeta Y, Bachmaha M, Aibana O, Yeromenko V, Mamotenko A, Flanigan T, Petrenko V. Retrospective Analysis of Pediatric Tuberculosis Management at Kyiv City Pediatric Tuberculosis clinic in Ukraine. Poster presentation at the 47th Union World Conference on Lung Health. Liverpool, UK. October 2016.
12. Sheremeta Y, **Rybak N**, Bachmaha M, Aibana O, Flanigan T, Petrenko V. Evaluation of Pediatric Multi-Drug Resistant Tuberculosis (MDR-TB) Contact Monitoring Outcomes in Kyiv, Ukraine. Poster presentation at the 47th Union World Conference on Lung Health. Liverpool, UK. October 2016.
13. Kiriazova T, Samet JH, Lunze K, Flanigan TP, Chybisov A, Gillani F, **Rybak NR**. Double stigma affecting HIV-positive people who use drugs in Ukraine and care integration. Poster presentation at the 22nd International AIDS Conference (AIDS 2018), Amsterdam, Netherlands, July 23-27, 2018.

INVITED PRESENTATIONS

1. Pediatric HIV and Tuberculosis Co-infection in Ukraine. Brown University Combined Infectious Disease Research Seminar. Providence, RI. August 28, 2013.
2. Graft versus Host Disease. Presented at Transplant/Immunology Conference for Brown University Adult and Pediatric Infectious Diseases. February 19, 2014.
3. Procalcitonin, What Does it Mean? Presented at The Miriam Hospital/ Brown University Division of Infectious Diseases, ID Conference, Providence, RI. June 4, 2015.
4. TB Diagnostics for Use in Detecting Active Tuberculosis Disease in Rhode Island. Presented at The Miriam Hospital/ Brown University Division of Infectious Diseases, ID Conference, Providence, RI. November 12, 2015.
5. CMV in Transplant Patients. Presented at Transplant/Immunology Conference for Brown University Adult and Pediatric Infectious Diseases. March 16, 2016.

6. Pediatric Tuberculosis; Challenges and Advances. Presented at The Miriam Hospital/ Brown University Division of Infectious Diseases, ID Conference, Providence, RI. April 21, 2016.
7. Tuberculosis Screening Among Pregnant and Postpartum Women in Rhode Island. Brown University Combined Infectious Disease Research Seminar. Providence, RI. May 25, 2016.
8. Rhode Island and the Rifampin Experience. Short Course Therapies for Latent Tuberculosis. 11th Annual New England TB Clinician's Conference. Amherst, MA. June 2, 2016.
9. Tuberculosis Diagnostics for Use in Detecting Active TB Disease in Rhode Island. Brown University Internal Medicine Resident Noon Conference Presentation. Providence, RI. July 26 and July 28, 2016.
10. Tuberculosis Diagnostics for Use in Detecting Active TB Disease in Rhode Island. Presented at The Miriam Hospital/ Brown University Division of Infectious Diseases, ID Conference, Providence, RI. August 11, 2016.
11. Update on TB Screening for OB/GYN Providers. Providence Community Health Center, Providence, RI, May 9, 2017.
12. Let's Talk TB. Internal Medicine/Family Medicine/Pediatric providers, Providence Community Center, Providence, RI, May 25, 2017.
13. Let's Talk TB. Internal Medicine/Family Medicine/Pediatric providers, Kent County Hospital, Warwick, RI, June 7, 2017.
14. TB and Other Mycobacterial Infections. Brown University Internal Medicine Resident Noon Conference Presentation. Providence, RI, June 30 and July 5, 2017.
15. Let's talk TB in Ukraine. Global Health Society at Brown Medicine, Brown University, Providence, RI, May 7, 2018.
16. Childhood Viral Illnesses and Respiratory Infections. Bryant University, Smithfield, RI, October 16, 2018.
17. Tuberculosis Diagnosis and Management. Bryant University, Smithfield, RI, October 16, 2018.
18. TB in the Community Lecture, The Journal to Hope, Health and Healing, Inc., Warwick, RI, February 19, 2019.
19. Childhood Viral Illnesses. Bryant University, Smithfield, RI, October 24, 2019.
20. Respiratory Infections/TB. Bryant University, Smithfield, RI, October 24, 2019.

UNIVERSITY TEACHING ROLES

2016-present BRIGHT (Brown Residency International/Global Health Training Pathway) Medicine Pediatrics Residency Advisor

2016-present Brown University Ukraine Collaboration; Co-Director

HOSPITAL TEACHING ROLES

2016-present Faculty, Infectious Disease Fellowship
Research Interests: Tuberculosis, MDR-TB, HIV/TB Co-infection, Global Health (10 weeks/ year as Infectious Disease Service Attending)

2016-present Preceptor for Residents, Fellows and Medical/PA students at the RISE TB Clinic
The Miriam Hospital, Providence, RI

CURRENT GRANTS

Brown University Ukraine Collaboration
PIs: Timothy Flanigan, MD and Susan Cu-Uvin, MD.
Role: Co-director of Collaboration- effective September 2016, study clinician from 2011-16.
September 2011- ongoing; \$100,000/year

Harvard/Boston/Providence Clinical Trials Unit (Harvard/B/P CTU)
NIH/NIAID, 2UMAI069412-08
PI's: Raphael Dolin, MD; David Kuritzkes, MD; and Kenneth Mayer, MD
Role: study clinician
12/10/2013-11/30/2020; \$236,000

Janssen
TMC114IFD3013
PI: Karen Tashima, MD
Role: study clinician
07/01/2015 – ongoing; \$212,373

GlaxoSmithKline GSK204861
PI: Karen Tashima, MD
Role: study clinician
09/14/2016 – ongoing; \$150,467

GlaxoSmithKline, GSK201584
Title: Randomized, Multicenter, Parallel-group, Open-Label Study Evaluating the Efficacy, Safety, and Tolerability of Long-Acting Intramuscular Cabotegravir and Rilpivirine for Maintenance of Virologic Suppression Following Switch from an Integrase Inhibitor Single Tablet Regimen in HIV-1 Infected Antiretroviral Therapy Naive Adult Participants (FLAIR)
PI: Natasha Rybak, MD
April 2017-December 2021; \$675,155

GlaxoSmithKline, GSK200056

Title: A Phase IIb Study Evaluating a Long-Acting Intramuscular Regimen of GSK1265744 plus TMC278 for the Maintenance of Virologic Suppression Following an Induction of Virologic Suppression on an Oral regimen of GSK1265744 plus Abacavir/Lamivudine in HIV-1 Infected, Antiretroviral Therapy-Naive Adult Subjects (Latte-2)

PI: Natasha Rybak, MD

April 2017-December 2020; \$880,156

Rhode Island Foundation

Title: Counting Kids: Enhancing Detection for Pediatric Tuberculosis in Ukraine

PI: Natasha Rybak, MD

April 2018-September 2019; \$25,000

Providence/Boston Center for AIDS Research (CFAR) Developmental Award, NIH

Title: Counting Kids: Enhancing Detection of Pediatric Tuberculosis in Ukraine

PI: Natasha Rybak, MD

2018-2019; \$40,000

COMPLETED GRANTS

Lifespan/Tufts/Brown Center for AIDS Research (CFAR) Development Award, NIH

Title: Double Stigma as Barrier to Integrated HIV Treatment Among HIV infected PWID in Ukraine.

PI: Karsten Lunze, MD and Timothy Flanigan, MD

Role: Co-investigator

July 2016- June 2017; \$40,000

Children's Miracle Network Scholar Award

Title: Association between Pubertal Development and Cytokines Involved in the Host Response to *Mycobacterium tuberculosis*.

PI: Silvia Chiang, MD

Role: Co-investigator

October 2016- November 2017; \$25,000