

LEAH BOLSIUS, M.D.

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EDUCATION

United States Medical Licensing Examinations Step 3 (12/2024)

Educational Commission for Foreign Medical Graduates Certification (09/2024)

M.D. (11/2022) University of Muenster Medical School, Germany

Exchange Year (07/2012 – 06/2013) Brighton Secondary College Melbourne, Australia

CLINICAL EXPERIENCE

Pediatric Residency (06/2025 – present) Boston Combined Residency Program, Boston Children's Hospital & Boston Medical Center

RESEARCH EXPERIENCE

Postdoctoral Fellowship (11/2023 – 06/2025) Division of Nephrology, Boston Children's Hospital & Harvard Medical School

- *PI: Dr. Nina Mann, Prof. Dr. Friedhelm Hildebrandt*
- *Project 1: Proteomic Profiling of WT1 Isoforms and Nephrotic Syndrome-associated Variants by Proximity-dependent Labeling*
- *Project 2: Trio-Based Whole Exome Analysis of Patients with Lower Urinary Tract Dysfunction*

Student in Doctorate (03/2019 – 11/2021) Institute of Translational Psychiatry, University of Muenster Medical School

- *PI: Prof. Dr. med. Dr. phil. Dipl. -Psych. Udo Dannlowski*
- *Project: Associations between the polygenic risk score for Anorexia nervosa, the BMI, and neuronal activity during reward processing in depressive patients*
- *Grade: magna cum laude*

PUBLICATIONS and PRESENTATIONS

Publications

- Hiltebeitel LR, Seltzsaam S, Wang C, Lee T, Bolsius L, Shalaby M, El Desoky S, Kari JA, Shril S, Hildebrandt F, Mann N (2024). Genetic Contributions to Lower Urinary Tract Dysfunction. *Am J Med Genet A*, e63859. <https://doi.org/10.1002/ajmg.a.63859>

Poster Presentations

- Bolsius L, Ralston KN, Hildebeitel LR, Borer JG, Lee RS, Hildebrandt F, Lee T, Mann N (2024). Trio Exome Sequencing Implicates Wnt Signaling in the Pathogenesis of Bladder-Exstrophy-Epispadias Complex. Poster Presentation at ASN Kidney Week 2024, San Diego, CA, October 2024.
- Bolsius L, Hildebeitel LR, Nelson R, Hildebrandt F, Mann N (2025). Clinical Spectrum and Molecular Mechanisms of *WT1*-related Glomerulopathy. Poster Presentation at PAS Meeting 2025, Honolulu, HI, April 2025.

ADDITIONAL COURSEWORK

Origins of Renal Physiology – Renal Fellows Course (08/2024) MDIBL

Laboratory Mount Desert Island, Maine

- *one-week course focused on key physiological mechanisms in nephrology and experimental approaches using fish, amphibians, and mammals*
- *NIDDK-funded attendance*

Medical Spanish Courses (01/2024 – present) Boston Medical Spanish Center

- *current level: Intermediate II*

Bench to Bedside and Back Summer School (08/2022) Ludwig Maximilian

University School of Medicine Munich, Germany

- *two-week course with different modules on translational research, clinical case discussions, and training on patient safety*
- *international collaboration between Jimma University in Ethiopia, Université Paris-Saclay in France, Lund University in Sweden, Washington University, and Ludwig Maximilian University in Munich*

CLINICAL INTERNSHIP YEAR

Obstetrics & Gynecology (06/2022 – 10/2022) Ludwig Maximilian University

Hospital Munich, Germany

Trauma Surgery (05/2022 – 06/2022) Franziskushospital Muenster, Germany

Emergency Medicine (03/2022 – 05/2022) Groote Schuur Hospital Capetown, South Africa

- *funded by a German Academic Exchange Service (DAAD) scholarship*

Internal Medicine (11/2021 – 03/2022) Spital Interlaken, Switzerland

CLINICAL ELECTIVES

Pediatrics (09/2020 – 10/2020) Clemenshospital Muenster, Germany

Obstetrics & Gynecology (03/2020 – 03/2020) Franziskushospital Muenster, Germany

Gynecology (01/2020 – 02/2020) Private Clinic, Minden, Germany

General and Visceral Surgery (08/2019 – 09/2020) Franziskushospital Muenster, Germany

Emergency Medicine & Rural Medicine (02/2019 – 02/2019) Victoriahospital Prince Albert, Canada

Anesthesiology (09/2018 – 10/2018) University Clinic Muenster, Germany

Family Medicine (02/2018 – 03/2028) Private Clinic, Minden, Germany

EXTRACURRICULAR WORK EXPERIENCE

Student Assistant (01/2021 – 06/2021) COVID-19 Vaccination Centers, Westfalen-Lippe, Germany

Tennis Trainer (06/2019 – 05/2021) TC Preußen Muenster e.V., Germany

Student Assistant (10/2018 – 12/2020) General Surgery & Emergency Department, Bonifatiushospital Lingen, Germany

Student Assistant (09/2017 – 09/2018) Trauma Surgery, Franziskushospital Muenster, Germany

Tutor (05/2018 – 07/2020) SkillsLab Course, University of Muenster Medical School

Tutor (05/2016 – 09/2017) Anatomy Course, University of Muenster Medical School

VOLUNTARY WORK and AWARDS

Recipient (08/2024) American Society of Nephrology (ASN) Early Career Travel Award

- Coverage of travel expenses to attend ASN Kidney Week and “Advances in Research Conference - Genome Engineering and RNA-Based Therapeutics “

Project Founder (03/2020 – 11/2023) “Adler Asse – Empowering Through Tennis”

- *Social outreach project providing free tennis training to children from low-resource and refugee backgrounds*
- **Young Generation Award** (04/2021) Westphalian Tennis Foundation (WTV), Germany
- **Social Responsibility Award** (11/2020) University of Muenster Medical School

Mentor (04/2017 – 07/2019) “Rock your life Muenster e.V.”

- *Social outreach initiative pairing university students with refugee children to provide mentorship in learning German and navigating academic and personal challenges*

Project Founder (08/2009 – 08/2010) “Hoffnungstraeger”

- *Local project raising awareness and donations for a UNICEF project against female genital mutilation in Senegal*
- **UNICEF Junior Ambassador Award** (09/2010) UNICEF Germany

BOSTON COMBINED RESIDENCY PROGRAM IN PEDIATRICS

October 29, 2025

Subject: Leah Bolsius - Verification of Residency Training

To Whom It May Concern:

This letter is to verify that Leah Bolsius is a Pediatric Resident at Boston Children's Hospital and Boston Medical Center in the Boston Combined Residency Program in Pediatrics. Her start date was June 24, 2025 and she has an expected completion date of June 30, 2028.

If you require any further information, please do not hesitate to email me at Elayne.fournier@childrens.harvard.edu.

Sincerely,

Elayne Fournier

Elayne Fournier
Director of Faculty Affairs and Residency Training
Boston Children's Hospital