

# Réka Müller, MSPH, LCGC

2 Tampa General Circle, suite 6041b

Tampa, FL, 33606

Phone: (813)-250-2311

[rekamuller@usf.edu](mailto:rekamuller@usf.edu)

## **EDUCATION**

**University of South Florida**, Tampa, Florida

Aug. 2017-May 2019

MSPH in Genetic counseling

Master's Thesis: *"Clinical practices and needs about variant of uncertain significance (VUS) results in cardiac arrhythmia and inherited cardiomyopathy genes."*

**Auburn University**, Auburn, Alabama

Aug. 2013-May 2017

Bachelor of Science in Molecular Biology, Summa Cum Laude

## **CERTIFICATION**

**American Board of Genetic Counseling**

2019

**Florida Department of Health: Genetic Counselor Licensure**

2021

## **PROFESSIONAL EXPERIENCE**

**University of South Florida (USF) Health**

Aug. 2019-Present

**USF Fetal Care Center of Tampa Bay**, Tampa, Florida

Prenatal Genetic Counselor

- Provide prenatal and preconception genetic services to patients with various maternal and fetal indications
- Provide counseling regarding genetic testing and test results to patients and referring physicians
- Offer patients and providers resources to help manage outcomes and make informed decisions
- Establish and perform teratogen counseling services through the USF/TGH Exposure Clinic
- Collaborate with postnatal Genetics team for continuation of patient care after delivery
- Performs academic duties related to genetic counseling through teaching and supervision of genetic counseling students, fellows, residents, and medical students.
- Contributes to research projects that are related to the job function including preparing scientific reviews and updates, collecting data for analysis, and scientific publication.

**MotherToBaby Florida**, Tampa, Florida

Aug. 2019-Present

Teratogen Information Specialist

- Provide counseling via telephone or email to patients regarding various exposures during preconception, pregnancy and lactation that may cause harm to the embryo, fetus, or infant
- Assess risks associated with various exposures in pregnancy and communicate these risks to patients and providers in order to make informed choices regarding their treatment and management
- Recruit for various MotherToBaby Pregnancy Studies
- Manage MotherToBaby Florida Social Media account

Research Coordinator	July 2022-Present
<ul style="list-style-type: none"> <li>Oversee design and administration, data collection of research projects and internal quality assurance</li> </ul>	
<b>Workgroup for Newborn Screening for Severe Combined Immunodeficiency, Florida</b>	Sept. 2021-Present
Prenatal Coordinator	

## **ACADEMIC APPOINTMENTS**

<b>Clinical Instructor/Faculty</b>	Aug. 2019-Present
Department of Obstetrics and Gynecology University of South Florida Morsani College of Medicine	
<b>Assistant Professor, Courtesy Appointment</b>	April 2021-Present
University of South Florida College of Public Health	

## **PROFESSIONAL INVOLVEMENT**

<b>American Board of Genetic Counseling (ABGC), Diplomate</b>	2019-Present
Marketing Committee, Member	2020-2021
<b>National Society of Genetic Counselors (NSGC), Full Member</b>	2017-Present
<b>NSGC Prenatal Special Interest Group, Member</b>	
Communication Committee, Chair	2021-2023
Monthly Literature Review Committee, Member	2020-Present
<b>NSGC New Member/Student Special Interest Group, Member</b>	
Prospective Students Task Force, Member	2020
<b>Florida Association of Genetic Counselors (FLAGC), Full Member</b>	2017-Present
Education Committee, Co-chair	2023-2024
President-Elect	2024-2026
President	2026-2028
<b>Organization of Teratology Information Specialists (OTIS), Member</b>	2019-Present
Membership Committee, Co-Chair	2022-Present
<b>Birth Defects Research and Prevention (BDRP), Associate Member</b>	2019-Present
<b>Birth Defects Research Journal, Reviewer</b>	2020-Present
<b>Journal of Genetic Counseling, Reviewer</b>	2021-Present

## **DIDACTIC TEACHING EXPERIENCE**

<b>Teaching Assistant, University of South Florida Genetic Counseling Program, Tampa, FL</b>	
<ul style="list-style-type: none"> <li>PHC6593 'Patient Centered Communication'</li> </ul>	Spring 2019
<b>Lecturer: MotherToBaby Seminar, Online</b>	
<ul style="list-style-type: none"> <li>Association of Maternal Eating Disorders With Pregnancy and Neonatal Outcomes</li> </ul>	Spring 2020
<ul style="list-style-type: none"> <li>Nausea and vomiting in pregnancy and childrens' neurodevelopmental outcomes</li> </ul>	Spring 2022
<ul style="list-style-type: none"> <li>Safety of Vedolizumab and Ustekinumab Compared With Anti-TNF in Pregnant Women With Inflammatory Bowel Disease</li> </ul>	Spring 2025
<b>Lecturer, University of South Florida Genetic Counseling Program, Tampa, FL</b>	
<ul style="list-style-type: none"> <li>Prenatal Ultrasound: Soft Signs</li> </ul>	Spring 2020
	Spring 2021
<ul style="list-style-type: none"> <li>Maternal Serum Screening for Aneuploidies</li> </ul>	Fall 2021
	Fall 2022
	Fall 2023

• <i>Carrier screening</i>	Fall 2024 Spring 2022 Spring 2023 Spring 2024
• <i>Intro to Prenatal Diagnostic Testing</i>	Fall 2022 Fall 2023 Fall 2024 Spring 2025
• <i>Ultrasound and Genetics</i>	
<b>Lecturer</b> , University of South Florida Maternal-Fetal Medicine Fellowship, Tampa, FL	
• <i>Carrier screening</i>	Spring 2020 Spring 2022 Fall 2022
• <i>Fetal Boards: FAM111A-related skeletal dysplasia</i>	Fall 2020
• <i>Fetal Boards: Craniosynostosis: Muenke syndrome</i>	Fall 2021
• <i>Fetal Boards: Joubert syndrome</i>	Fall 2021
• <i>Genetic syndromes-Jeopardy</i>	Fall 2023
• <i>Ultrasound and Genetics (3 lecture series)</i>	Spring-Fall 2024
• <i>Cell-free DNA screening beyond common aneuploidies</i>	Spring 2025
<b>Lecturer</b> , University of South Florida, Pediatric Residency, Tampa, FL	
• <i>Prenatal Genetic Counseling: Screening and Testing</i>	Fall 2021
<b>Lecturer</b> , University of South Florida, OB/GYN Residency, Tampa, FL	
• <i>Prenatal Genetic Counseling: Screening and Testing</i>	Spring 2022
• <i>Aneuploidy Screening</i>	Fall 2024
<b>Lecturer</b> , University of South Florida, REI Fellowship, Tampa, FL	
• <i>Carrier screening</i>	Spring 2023
• <i>Expanded Carrier screening</i>	Spring 2024 Spring 2025
<b>Lecturer</b> , Women's Care Advanced Practice Provider (APP) University Program	
• <i>Prenatal Genetic Testing and Counseling</i>	Summer 2025

## **NON-DIDACTIC TEACHING EXPERIENCE**

<b>Prenatal Rotation Coordinator</b>	2020 September-Present
• First and Second Year Genetic Counseling Students, USF Genetic Counseling Program, FL	
<b>Clinical Supervisor</b>	2020 March-Present
• First and Second Year Genetic Counseling Students on Prenatal Rotation, USF Genetic Counseling Program	
2024 Supervisor of the Year	
• Maternal-Fetal Medicine Fellows, USF Department of Obstetrics & Gynecology	

## **ADVISING AND MENTORING EXPERIENCE**

<b>Thesis Committee Member</b> , USF Genetic Counseling Program, MSPH in Genetic Counseling	2020-2021
• Student: Katherine Zimmerman	
Title: <i>"The Perceptions of Genetic Testing Utility for Direct-to-Consumer Sports Genes"</i>	
<b>Thesis Committee Chair</b> , USF Genetic Counseling Program, MSPH in Genetic Counseling	2021-2022
• Student: Madison Lake	
Title: <i>"Impact of Prenatal and Exposure Counseling on Patient Reported Outcomes"</i>	
<b>MotherToBaby Representative</b> : American Academy of Pediatrics: Enhancing Partnerships to Address Birth	

## **PUBLICATIONS AND ABSTRACTS**

### **Original Articles**

- Haysom LZ, Kennerly RM, **Müller RD**, Smith-Carr S, Christopherson PW, Boudreaux MK. Identification and Characterization of Glanzmann Thrombasthenia in 2 Closely Related Mixed-breed Dogs. *J Vet Intern Med*. 2016;30(2):642-646. doi:10.1111/jvim.13825
- **Muller RD**, McDonald T, Pope K, Cragun D. Evaluation of Clinical Practices Related to Variants of Uncertain Significance Results in Inherited Cardiac Arrhythmia and Inherited Cardiomyopathy Genes. *Circ Genomic Precis Med*. 0(0). doi:10.1161/CIRCGEN.119.002789
- **Müller R**, Steffensen T, Krstić N, Cain MA. Report of a novel variant in the FAM111A gene in a fetus with multiple anomalies including gracile bones, hypoplastic spleen, and hypomineralized skull. *Am J Med Genet A*. 2021 Mar 22. doi: 10.1002/ajmg.a.62182. Epub ahead of print. PMID: 33750016.
- Pressman K, **Müller R**, Krstić N, Obican S. A novel clinic structure for exposure counseling during pregnancy. *Birth Defects Research*. 2022 July.
- **Müller, R.**, Lake, M., Krstić, N., Običan, S. G., & Cragun, D. (2024). Impact of perinatal exposure counseling on patient reported emotional outcomes and decisional empowerment. *Birth defects research*, 116(3), e2325. <https://doi.org/10.1002/bdr2.2325>

### **Posters**

- **Reka Muller**, Deborah Cragun. Practices related to Variant of Uncertain Significance (VUS) results for cardiac arrhythmias and inherited cardiomyopathies. Poster Presented at University of South Florida Research Day, Tampa FL, February 2019
- Madison Lake, Deborah Cragun, Nevena Krstic, Sarah Obican, **Reka Müller**. Impact of Perinatal Exposure Counseling on Patient Reported Emotional Outcomes & Decisional Empowerment. Poster Presented at University of South Florida Research Day, Tampa FL, February 2022
- Madison Lake; Deborah Cragun; Nevena Krstic; Sarah Obican; **Reka Müller**. Impact of Perinatal Exposure Counseling on Patient Reported Emotional Outcomes and Decisional Empowerment. Poster presented at Organization of Teratology Information Specialists Annual Conference, Online, June 2022.
- **Réka Müller**, Nevena Krstic, Mary Cain. Prenatal detection of Muenke syndrome via ultrasound and single gene cell-free DNA screening. Poster presented at National Society of Genetic Counselors Annual Educational Conference. October 2023
- Nevena Krstić; Sarah Običan; **Réka Müller**. Understanding the Landscape of Psychiatric Medications in Pregnant Patients: Implications for Prenatal Genetic Counselors. Poster presented at National Society of Genetic Counselors Annual Educational Conference. September 2024
- **Réka Müller**; Nevena Krstić; Lindsey Victoria. Expanding the fetal phenotype of *USP7*-related conditions. American College of Medical Genetics and Genomics Annual Clinical Genetics Meeting. March 2025

### **Other**

- MotherToBaby: The Baby Blog: Intense Exercise during Pregnancy: Too Much of a Good Thing or Not?: Author, 2020
- The Reproductive Genetics Guidebook: Reviewer, 2022
- What to expect when you're expecting by Heidi Murkoff, 6<sup>th</sup> edition: Reviewer, 2023
- Obstetric Imaging 3rd Edition Book Chapter: Holt-Oram syndrome, Author, 2023 (awaiting publication)
- MotherToBaby: The Baby Blog: Living with Lupus: Controlling Flares to Help Pregnancy Flourish: Author, 2023
- MotherToBaby: The Baby Blog: Shedding Light on Atopic Dermatitis and Pregnancy: Understanding Light Therapy: Author, 2024

## **PRESENTATIONS**

- Platform presentation: *Clinical practices related to variant of uncertain significance (VUS) results in cardiac arrhythmia and inherited cardiomyopathy genes.*  
National Society of Genetic Counselors Annual Conference, Salt Lake City, UT 2019
- Platform presentation: *Use of Educational Videos in Improving Uptake of Exposure Counseling and Outreach of MotherToBaby Services*  
OTIS Annual Conference, Charleston, SC 2023
- Educational talk: *Manifesting Carriers: Actionable or Not. Presenters: Reka Muller, MSPH, CGC, Kara Morgan, DNP, APRN, CGC, Lee Kugelman, MMSc, CGC, Brittany Sears, PhD, MSPH, CGC*  
Florida Association of Genetic Counselors Annual Educational Conference 2024

## **GRANTS AND AWARDS**

- 2021 HRSA Pilot Project Grant, \$5800  
Project Title: *"Exposure counseling for Florida's underserved patients"*
- 2022 Community Research Award for Masters Research at USF Health Research Day
- 2023 Genzyme Corporation/Sanofi Educational Grant, \$5000, Organizer

## **RELEVANT EXPERIENCE/SKILL**

- Trained in cancer and pediatric genetics in addition to prenatal genetics
- Experience in eliciting, assessing, and conveying information from patients (genetic and teratogen)
- Proficient in obtaining and assessing detailed pregnancy and family histories and constructing pedigrees
- Experience with insurance preauthorization, appeals, and peer-to-peer for genetic testing services
- Experience in developing and implementing clinic protocols
- Knowledge of different patient and family resources for various genetic diagnoses
- Current on ACOG, SMFM, NSGC, and ACMG guidelines regarding prenatal and genetic testing and indications
- Proficient in applications such as Microsoft Word, Excel, Access, and PowerPoint
- Knowledgeable in EMR systems, including Epic and PowerChart
- Adept with the use of REPROTOX, London Dysmorphology, PubMed, OMIM, DECIPHER, etc.
- Fluent in written and conversational Hungarian
- Worked closely with in-person and phone interpreters