

## **Sommer Myers Gaughan, MPH, RDN**

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### **CURRENT POSITION**

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Metabolic Dietitian- Section of Clinical Genetics, Department of Pediatrics, School of Medicine, Department of Pediatrics University of Colorado Health Sciences Center	2018-Present 2007-2016
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### **PREVIOUS POSITIONS**

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Oncology Dietitian- University of Colorado Cancer Center, UCHealth University of Colorado Hospital Focus: Brain Cancer, Blood Cancers/Bone Marrow Transplant	February 2016-November 2018
Metabolic Dietitian- Section of Clinical Genetics, School of Medicine, Department of Pediatrics University of Colorado Health Sciences Center Focus: Infants, Children, Adolescents, Teenager, Adults with Inborn Errors of Metabolism	January 2007- February 2016
Oncology Dietitian-Outpatient Batte Cancer Center- Concord, NC	November 2005-December 2006
Renal Dietitian- Outpatient Wake Forest University Dialysis Center – Statesville, NC	April 2004-November 2005
Oncology Dietitian-Outpatient MD Anderson Cancer Center- Orlando, FL	September 2001-April 2004

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### **EDUCATION**

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Master of Public Health Health Promotion, Education, and Behavior University of South Carolina- Columbia, SC	2024
Bachelor of Science Food Science and Human Nutrition with concentration in Dietetics University of Florida- Gainesville, FL	1999
AP4 Dietetic Internship Andrews University satellite location- Orlando Regional Medical Center, Orlando, FL	2001

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### **PROFESSIONAL ABSTRACTS/PUBLICATIONS/PRESENTATIONS/CONTRIBUTIONS**

#### **Abstract & Poster**

Jurecki, E, **Gaughan S**, Van Calcar S, Dwyer L, Shea J, Swallow K. Novel tool for the dietary management and monitoring in clinical trials of pegtibatinase, an investigational enzyme replacement therapy for classical homocystinuria 2024

Bernstein, LE, **Myers SM**: Responsiveness of Kuvan in PKU patients during the Expanded Access Program and following FDA approval, 2008

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Bernstein, LE, **Gaughan, SM**: PKU Diet Liberalization and the Impact on Weight Gain and BMI's 2012

**Publications**

Bernstein, LE, **Myers SM**, "More Phe, More Choice; Think Healthy", 2008

Bernstein, LE, **Myers SM**, "More Phe, More Choices; Think Healthy- Teenage", 2009

Bernstein, LE, **Myers SM**, "More Phe, More Choices; Think Healthy- Adults", 2009, revised 2020

Bernstein, LE, **Myers SM**, "More Phe, More Choices; Think Healthy- Pregnancy", 2010, revised 2021

Bernstein, LE, Myers SM, "More Phe/More Protein, More Choices: Think Healthy- Keeping it Simple," 2010

Bernstein, LE, Burns C, **Myers SM**. "Nutritional Management of Glutaric Acidemia"; GMDI Newsletter 2010

Nutricia Metabolic Nutrition "**Guidelines for the Use of Lanaflex in the Dietary Management of PKU**", Sommer Gaughan, RD, CSP-sample menu development 2012

Baker, P, II, Ayres, L, **Gaughan, SM**, Weisfeld-Adams, J, "Hereditary Fructose Intolerance", Gene Reviews, 2015.

**Professional Advisory Boards/Consulting**

PTC Therapeutics-Clinical Research Advisory Board 2023

Traverse Therapeutics- Clinical Trial Dietary Protocol Development consultant 2023-Present

Relief Therapeutics- product development/launch consultant 2022

Nutricia North America- product modification consultant 2022

Cycle Pharma- PKU Advisory Board Meeting March 2022, May 2022

Acer Therapeutics- UCD Advisory Board Meeting 2022

Met-ED Palynziq Education Advisory Board August 2019

**Peer-Reviewed Publications**

Dixon, M., Millington, C., Bernstein, L., Coughlin, C. R., 2nd, Drumm, M., **Gaughan, S.**, van Karnebeek, C. D. M., & van Wegberg, A. M. J. (2024). Dietary management for pyridoxine-dependent epilepsy due to  $\alpha$ -aminoacidic semialdehyde dehydrogenase deficiency, a follow-on from the international consortium guidelines. *JIMD reports*, 65(3), 188–203. <https://doi.org/10.1002/jmd2.12418>

Bernstein L, Hansen J, Kogelmann C, Ellerbrok M, Gizewska M, Gaughan S, Rocha JC, Belanger A, Rohr F. "Normalizing Diet in Individuals with Phenylketonuria Treated with Pegvaliase: A Case Series and Patient Perspective", *Nutrition and Dietary Supplements* 2021, 13, 145-54

Saskia B. Wortmann, MD, PhD, Johan L.K. Van Hove, MD, PhD, Terry G. J. Derks, MD, Ph, Nathalie Chevalier, Vijaya Knight, MD, PhD, Andreas Koller, PhD, Esmee Oussoren, MD, PhD, Johannes A. Mayr, PhD, Francjan J. van Spronsen, MD, PhD, Florian B. Lagler, MD PhD, **Gaughan Sommer, RD**, Emile Van Schaftingen, MD, PhD, Maria Veiga-da-Cunha, PhD

"Treating neutropenia and neutrophil dysfunction in glycogen storage disease IB with an SGLT2- inhibitor", *Blood* (2020) 136 (9): 1033–1043

Laurie E. Bernstein, Casey Burns, Morgan Drumm, **Sommer Gaughan \***, Melissa Sailer and Peter R. Baker II "Impact on Isoleucine and Valine Supplementation When Decreasing Use of Medical Food in the Nutritional Management of Methylmalonic Acidemia", *Nutrients* 2020, 12, 473; doi:10.3390/nu12020473

Coughlin, CR, II, van Karnebeek, Clara D.M., Al-Hertani, W, Shuen, AY, Jaggumantri, S, Jack RM, **Gaughan, SM**, Burns, C, Mirsky, DM, Gallagher, RC, VanHove, JLK

"Triple therapy with pyridoxine, arginine supplementation and dietary lysine restriction in pyridoxine-dependent epilepsy: Neurodevelopment outcome", *Mol Gen Metab*; 116(2015) 35-43

Bjoraker, KJ, Swanson, MA, Coughlin, CR II, Christodoulou, J, Tan, ES, Fergeson, M, Dyack, S, Ahmad, A, Friederich, M, Spector, EB, Creadon-Swindell, G, Hodge, MA, **Gaughan, SM**, Burns, C, VanHove, JLK

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"Neurodevelopment Outcome and Treatment Efficacy of Benzoate and Dextromthorphan in Siblings with Attenuated NonKetotic Hyperglycinemia", JPeds, 170 (2016)234-239

**Non-Peer Reviewed Publications**

Van Hove, JLK, **Myers SM**, Bernstein, LE, Freehauf, C, Vande Kerckhove, K, Frances, D

"Acute Nutritional Management in the Prevention of Metabolic Illness: A practical approach with glucose polymer", Mol Gen Metab; 2009

**Presentations**

"Palynziq: Knowledge and Learning from the United States"-co-presenter Internation Webinar-MetEd June 2024

"Motivation Interviewing for Genetics Clinicians"- Amgen Webinar May 2024

"PKU Management-Beyond the Diet"- University of South Carolina April 2024

"HCU Management"- Metabolic University November 2023

"Pyroxidine Dependent Epilepsy-Case Presentation" – Metabolic University November 2021

"Introduction and Management of Kuvan (Sapropterin Dihydrochloride) in NeoNatal PKU"- Biomarin September 2021

"Not Too Much, Not Too Little, Just Right: Managing Propionic and Methylmalonic Acidemia"-Genetic Metabolic Dietitians International Conference April 2021

"Design of a Metabolic Diet"-Graduate class UC Denver 2020, 2022

"Nutrition for Cancer Survivors"- UCHealth Wellness Conference 2018

"Optimizing Nutrition after Stem Cell Transplant"- Grand Rounds 2018

"Cancer Nutrition: Staying Nourished Through Treatment"- UCHealth Wellness Conference 2017

"Feeling Your Best Through Treatment: Side Effect Management- University of Colorado Cancer 2017

"Fighting Prostate Cancer with a Fork"-University of Colorado Cancer Center 2016

"Changing BMI in PKU Diet Liberalization"- Metabolic University 2013

"More Choices: Think Healthy"- Network PKU 2011

"More Choices: Think Healthy"-Town Hall Meeting (Milwaukee 2010, Memphis 2011, Birmingham 2011)

"Large Neutral Amino Acid Diet Calculations"- Metabolic University 2010, 2011

"Staying on Diet: Why the PKU Diet is important for You"- Nutricia Webinar 2009

"More Phe, More Choice; Think Healthy: Piecing it Together"- Metabolic University 2009

"Large Neutral Amino Acid-Case Presentation"- Metabolic University 2009

"Large Neutral Amino Acid- Case Presentation"- Metabolic University 2010

"Issues in Reimbursement"- Metabolic University 2008

**Additional Activities**

"Maternal PKU"- Educational Booklet- contributor

"Inherited Metabolic Disorders: Visual Aids"- Educational Tool- contributor

"Imaginative Recipe Tools"- MCT ProCal Recipes booklet- reviewer

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**MEMBERSHIPS**

Academy of Nutrition and Dietetics

*June 2000- 2013*

*May 2016-Present*

AND Oncology Practice Group

*June 2001-2008*

*May 2016-2019*

AND Pediatric Nutrition Practice Group

*June 2007- 2016*

Genetic Metabolic Dietitians International (GMDI)

*January 2008-2016*

*November 2018-Present*

National PKU Alliance

*January 2010-2016*

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### PROFESSIONAL REGISTRATION/CERTIFICATION

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Registered Dietitian- #887425 per Commission on Dietetic Registration	2001-Present
Board Certified Specialist in Oncology Nutrition	2018-2023
Board Certified Specialist in Pediatric Nutrition- per Commission on Dietetic Registration	2010-2016

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### PROFESSIONAL ACTIVITIES

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Genetic Metabolic Dietitians International (GMDI)-Conference Co-Chair	April 2024-Present
Metabolic University-Faculty Member	April 2023-Present
PKU Palynziq Nutrition Guidelines Committee	June 2021-Present
Genetic Metabolic Dietitians International (GMDI)-Secretary	April 2019-2021
University of Colorado Cancer Center-Schwartz Rounds Committee	2016-2018
PKU Camp: Co-Organizer	2007, 2008 2009, 2010 2011, 2013
Dietitians PKU Advisory Board	2007, 2009
GMDI- Conference Planning Committee- <i>Secretary</i>	2008- 2012
GMDI- Conference Planning Committee- Member	2012-2016
Network PKU-Assistant Coordinator	2009, 2011, 2013
Metabolic University 101- Assistant Coordinator	2007, 2008, 2009, 2010 2011, 2012
BioMarin Speaker's Bureau	2010-2011
Updates in Clinic Nutrition Conference- Planning Committee Member	2012, 2013, 2014
Children's Hospital Colorado Dietetic Intern Selection Committee	2012-2016

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### TEACHING ACTIVITIES

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Preceptor and Mentor for Children's Hospital Colorado/University of Colorado Hospital Dietetic Intern

- Mentor/support dietetic intern throughout 10 month internship
- Educate dietetic interns on the nutritional management of individual with cancer from diagnosis through survivorship.

Preceptor for Metropolitan State University Dietetic Interns/Students

- Educate on the nutritional management and principles of treatment of Inherited Metabolic Diseases

Genetics Residency Trainees

- Educate on the nutrition management and principles of treatment in Inherited Metabolic diseases
- Taught class to educate Fellows on the creation of metabolic diets

Genetic Counseling Master's Degree Program Trainees

- Educate on the nutrition management and principles of inherited metabolic diseases on a rotational basis during the course Applied Metabolic Genetics Clinic (GENC 6912)
- Taught class to educate Genetic Counseling trainees on the creation of metabolic diets

Johnson and Wales University Dietetic Student Interns

- Educate on the nutritional management and principles of treatment of Inherited Metabolic Diseases
- Facilitate creation of education tools for the nutritional management of Inherited Metabolic Diseases