

Education

(in progress) PhD	University of Edinburgh <i>Edinburgh, United Kingdom</i>	2025 (anticip.)	Population Health and Food Systems
MS	Cornell University <i>Ithaca, New York, USA</i>	2021	Nutritional Epidemiology
RDN	Cornell University <i>Ithaca, New York, USA</i>	2020	Registered Dietitian Nutritionist
BS	Kansas State University <i>Manhattan, Kansas, USA</i>	2019	Dietetics and Nutrition
BA	Kansas State University <i>Manhattan, Kansas, USA</i>	2019	French Literature
Education Abroad	Université Lumière-Lyon-II <i>Lyon, Auvergne-Rhône-Alpes, France</i>	2018	French History

Research Experience

Sep 2022 -	<u>University of Edinburgh</u>
	Doctoral Researcher , Sustainable Food Systems Mentors: Prof Peter Alexander; Prof Lindsay Jaacks; Dr Alexandra Bellows; Prof Geraldine McNeill <ul style="list-style-type: none">- Simulation modelling to predict health and environmental impacts of diet transitions- Integrated machine learning techniques for increased accuracy of diet—disease risk prediction- Quantitative analysis; dietary patterns and substitution trends
Sep 2023 - May 2024	Research Consultant , Sustainable Food Systems (partnership with ClimateXChange) <ul style="list-style-type: none">- Lead systematic review on trends in Scottish consumption patterns- Assist with evaluation of direct and indirect environmental impacts from consumption
Apr 2023 - Dec 2024	<u>European Centre for Advanced Studies</u>
	Doctoral Fellow , Sustainable Food Systems <ul style="list-style-type: none">- Policy analysis aligning with government strategies
Jun 2020 - Aug 2022	<u>Cornell University</u>
	Graduate Research Assistant → Research Assistant , Nutritional Epidemiology Mentors: Prof Patricia Cassano; Dr Bonnie Patchen <ul style="list-style-type: none">- Coordinated development of method pipeline for R01-level nutrigenomics assay- Quantitative analysis (diet—lung function associations) and dietary pattern score coding

Apr 2021 - Dec 2023	Cochrane Systematic Reviewer , Vitamin D Supplementation and Asthma - Screened 10,169 publications, extracted data from 40 publications, meta-analysis, interpretation of results, report writing, GRADE risk of bias assessment, and summary of findings
Aug 2019 - Jun 2020	Research Dietetic Intern , Community Nutrition and Public Health Mentor: Dr Corinna Noel

Honors, Awards, and Grants

<u>University of Edinburgh</u>		
Oct 2023 - Feb 2024	Understanding the climate impact of food consumed in Scotland , ClimateXChange Co-investigator	£50,000
Aug 2023	TRAnsforming the DEbate about livestock systems transformation (TRADE) , The Roslin Institute Sub-award; grant ref: BB/W018152/1	£7,200
Apr - Dec 2023	Lower Saxony–Scotland Doctoral Fellowship , European Centre for Advanced Studies	€5,600
Sep 2022 - Dec 2025	Royal (Dick) School of Veterinary Studies and The Roslin Institute Doctoral Studentship , Global Academy of Agriculture and Food Systems	~£200,000 (tuition + stipend)
<u>Cornell University</u>		
Aug 2020 - May 2021	Graduate Teaching Assistantship , Division of Nutritional Sciences	~\$80,000 (tuition + stipend)
May - Aug 2020	Summer Research Fellowship , Division of Nutritional Sciences	\$8,000
<u>Kansas State University</u>		
May 2019	Outstanding Senior Award in Research and Creative Inquiry , College of Human Ecology	
Aug 2018	Hollis & Johnston Scholarship , Department of Modern Languages	\$1,000
May 2018	Summer Research Scholarship , Kansas State University	\$1,000
Apr 2018 -	Pi Delta Phi (ΠΔΦ) , La Société d'Honneur de Français (The National French Honor Society)	
May 2018	Foreign Language Travel Scholarship , Department of Modern Languages	\$200
Mar 2018	Kansas Nutrition Council Scholarship	\$1,000
Nov 2017	Education Foundation Scholarship , International Facility Management Association	\$1,500
Aug 2016 - May 2019	Vanier Family Scholarship , Kansas State University (recurring yearly)	\$5,700
Aug 2015 - May 2019	Kansas Comprehensive Grant , Kansas State University (recurring yearly)	\$6,000
Aug 2015 - May 2018	Bluemont Grant , Kansas State University (recurring yearly)	\$5,500
Aug 2015	M. Hal & Janice J. Taylor Scholarship , College of Human Ecology	\$500
Aug 2015	Patrice Sollenberger Choral Scholarship	\$500

Work and Professional Experience

Apr - Aug 2021	WHO/Cochrane/Cornell Institute for Systematic Reviews in Nutrition for Global Policy Making - Developed skills and knowledge of systematic reviews, policy making, and evidence assessment
Aug 2020 - May 2021	Graduate Teaching Assistant , Division of Nutritional Sciences Cornell University <i>Nutrition, Health, and Vegetarian Diets (NS 3030)</i> <i>Nutrition and Disease (NS 4410)</i>

Jan - Jul 2020	Clinical Dietetic Intern , Strong Memorial Hospital Rochester, New York - Specialty rotations in: ICU, Oncology, Pediatrics (+PICU & NICU), Cardiac, Endocrine, Transplant
Aug - Dec 2019	Community Dietetic Intern , Foodlink Rochester, New York - Assisted in the development/implementation of Healthy Pantry Initiative for regional food pantries
Jul 2017 - Aug 2019	Teaching Assistant , College of Human Ecology Kansas State University <i>Nutrition and Health (FNDH 599/340)</i> <i>Food Production Management (FNDH 342)</i>
Jan 2019	Externship , Hôpitaux Universitaires de Strasbourg Strasbourg, Grand Est, France - Patient population: post-operative gastroenterology and outpatient weight management
May 2017 - Aug 2019	Recipe Developer & Management Assistant , Derby & Kramer Dining Centers Kansas State University - Developed recipes and nutrition education, encouraging sustainable and healthy food choices
Aug 2018 - Aug 2019	Private French Tutor Manhattan, Kansas

Professional Activities

May 2024 -	Board Member , Kansas State Dietetic Professional Advisory Board
Aug 2023 -	Journal Club Lead , Global Academy of Agriculture and Food Systems (University of Edinburgh)
Apr - Dec 2023	Executive Committee (Secretary) , University of Edinburgh Chamber Choir
Nov 2021 - May 2022	Competency Assurance Panel (CAP) , Commission on Dietetic Registration 'Activity Type' Taskforce (subgroup within CAP)
Jun 2021 - Nov 2021	Competency Standards Workgroup , Commission on Dietetic Registration
Jun 2020 - Jun 2021	Professional Issues Chair , Southern Tier Academy of Nutrition and Dietetics (New York State)
May 2018 - Jul 2019	President , La Société Française, Kansas State University
Jan - Apr 2019	Event Planning and Graphic Design , Kansas Academy of Nutrition and Dietetics 2019 Conference
Jan - Apr 2018/2019	Event Planning and Graphic Design , Kansas Nutrition Council 2018 and 2019 Conferences

Professional Memberships

Mar 2023 -	The Nutrition Society
Dec 2020 -	American Society for Nutrition
Apr 2018 -	Pi Delta Phi (ΠΔΦ), La Société d'Honneur de Français, Kappa Zeta
Aug 2016 -	Academy of Nutrition and Dietetics

Theses

(in progress)	Doctoral Dissertation , Global Academy of Agriculture and Food Systems, University of Edinburgh <i>Health and environmental impact of sustainable diet transitions in the UK</i> Committee: Prof Peter Alexander; Prof Lindsay Jaacks; Dr Alexandra Bellows; Prof Geraldine McNeill; Prof Rosemary Green (external adviser, London School of Hygiene and Tropical Medicine)
Aug 2021	Master's Thesis , Division of Nutritional Sciences, Cornell University <i>The Association of Dietary Pattern with Lung Function Decline in a Prospective Cohort Study</i> Committee: Prof Patricia Cassano and Prof Saurabh Mehta
Jun 2020	Practicum Project , Division of Nutritional Sciences, Cornell University

Assessing the Need for Food Safety Training in Western New York State

Mentor: Dr Corinna Noel

May 2019

Bachelor's Capstone, Department of Modern Languages, Kansas State University

The Cultures of Nutrition in France and the United States: Differing Perspectives

Mentor: Prof Kathleen Antonioli

Publications

Peer-reviewed publications

1. **Vonderschmidt A**, Jaacks LM, Alexander P, Green R, Bellows AL, Stewart C. Smaller meat portions contribute the most to reducing meat consumption in the UK. *In press, Nature Food*
2. Jaacks LM, Amoutzopoulos B, Runions R, **Vonderschmidt A**, McNeill G, Comrie F, McDonald A, Page P, Stewart C. Disaggregation of Dairy in Composite Foods in the United Kingdom. *Current Developments in Nutrition*. Published online May 16, 2024:103774. doi:10.1016/j.cdnut.2024.103774
3. **Vonderschmidt A**, Arendarczyk B, Jaacks LM, Bellows AL, Alexander P. Analysis combining the multiple FAO food balance sheet datasets needs careful treatment. *The Lancet Planetary Health*. 2024;8(2):e69-e71. doi:10.1016/S2542-5196(23)00276-0

Government reports

4. Jaacks LM, Frank SM, **Vonderschmidt A**, Stewart C, Runions R, Kennedy J, McNeill G, Alexander P. *Understanding the climate impact of food consumed in Scotland*. ClimateXChange in collaboration with the University of Edinburgh; December 2023. Available at: <https://www.climateexchange.org.uk/publications/understanding-the-climate-impact-of-food-consumed-in-scotland/>
5. Comrie F, Jaacks LM, Kennedy J, McDonald A, McNeill G, Runions R, Stewart C, **Vonderschmidt A**. *Modelling the Impact of Reductions in Meat and Dairy Consumption on Nutrient Intakes and Disease Risk*. The University of Edinburgh, Food Standards Scotland; 2024. Available at: <https://www.foodstandards.gov.scot/publications-and-research/publications/modelling-the-impact-of-reductions-in-meat-and-dairy-consumption-on-nutrient-intakes-and-disease-risk>

Current projects

6. Stehl J, **Vonderschmidt A**, Alexander P, Vollmer S, Jaacks LM. Assessing self-sufficiency: an analysis of national food production vs. nutritional requirements. *Pending revisions, Nature Food*
7. Patchen BK, Best CM, Boiteau JM, Solvik BS, **Vonderschmidt A**, Xu J, Cohen R, Cassano PA. Vitamin D supplementation in pregnant or breastfeeding women or young children for preventing asthma. *In review, Cochrane Database of Systematic Reviews*
8. **Vonderschmidt A**, Patchen BK, Bass K, Arnold KB, Shiroma E, Simonsick E, Hancock DB, Cassano PA. Is dietary pattern associated with rate of lung function decline? *In preparation*
9. **Vonderschmidt A**, Kennedy J, Bellows AL, Alexander P, Jaacks LM. A novel approach incorporating diet data to develop a machine learning anaemia risk prediction pipeline in the UK Biobank. *In preparation*
10. **Vonderschmidt A**, Bellows AL, Connors K, Runions R, Brandt H, Frank SM, Alexander P, Green R, Bellows AL. Dairy intake trends in the UK: a comprehensive analysis of diet, health, and environmental impacts using the National Diet and Nutrition Survey. *In preparation*
11. Kennedy J, Clark M, Stewart C, Runions R, Frank S, **Vonderschmidt A**, Scarborough P, Comrie F, McDonald A, McNeill G, Alexander P, Jaacks LM. Impact of reducing meat and dairy consumption on nutrient intake, health and the environment: A nationally representative simulation among adults living in Scotland. *In preparation*

12. Kennedy J, Runions R, **Vonderschmidt A**, Stewart C, Mathieu E, Clark M, Jaacks LM. Analysing the Environmental Impact of UK Diets: A New Methodology for Incorporating Nutritional Data with Environmental Impact Data. *In preparation*

Presentations

1. Stehl J, **Vonderschmidt A** (2023). Assessing Self-Sufficiency: Analyzing the Gap Between National Food Production and Nutritional Requirements. *Lower Saxony – Scotland Joint Forum 2023*, Hannover, Germany | Oral Presentation
2. **Vonderschmidt A**, Bellows A, Jaacks LM, Alexander P, Stewart C (2023). Contribution of meat-free days, meat-free meals, and portion sizes to UK meat consumption declines. *European Public Health Conference, Dublin, Ireland* | Oral Presentation
3. Jaacks LM, Kennedy J, Runions R, Stewart C, **Vonderschmidt A**, McNeill G (2023). Disaggregating foods consumed in Scotland. *Scottish Government Lunchtime Learning Session*. Edinburgh, UK | Panel Presentation
4. **Vonderschmidt A**, Kennedy J, Blair K (2023). Meat consumption, health and sustainable livestock systems: understanding the future of meat. *LandSyMM Core Developer Meeting* | Invited Seminar/Panel Discussion
5. **Vonderschmidt A**, Bellows A, Jaacks LM, Alexander P, Stewart C (2023). Contribution of meat-free days, meat-free meals, and portion sizes to declines in meat consumption in the UK. *R(D)SVS Research Student Day* | Oral & poster Presentation
6. **Vonderschmidt A** (2022). Impact on population and environmental health of the UK National Food Strategy goal for reducing meat consumption. *Global Academy of Agriculture and Food Systems Young Researchers Seminar* | Invited Lecture
7. **Vonderschmidt A**, Bass K, Patchen BK, Arnold KB, Shiroma E, Simonsick E, Hancock DB, Cassano PA (2022). Is the Healthy Eating Index-2015 Associated With Rate of Decline in Lung Function. *American Society for Nutrition 2022 Conference* | Poster Presentation
8. **Vonderschmidt A** (2021). Quantitative Data: Coding and Analysis. *Introduction to Community Nutrition Research for Dietetic Interns (NS 6350)*, Cornell University | Invited Guest Lecture
9. **Vonderschmidt A** (2021). Processed Meat Intake and Risk of Chronic Obstructive Pulmonary Disease among Middle-aged Women (Varraso et al., 2019). *Seminar in Nutritional Sciences (NS 7030)*, Cornell University | Analytical Review
Advising Mentor: Prof Saurabh Mehta
10. Bass K, **Vonderschmidt A**, Patchen BK, Cassano PA, (2021). Does Adherence to the HEI-2015 and AMED Predict Subsequent Rate of Lung Function Decline. *Cornell Undergraduate Research Board (CURB) Spring Symposium, Cornell University* | Poster Presentation
11. **Vonderschmidt A** (2020). Assessing the Need for Food Safety Training in Western New York State. *University of Rochester Medical Center Dietetic Intern Research Symposium* | Poster Presentation
12. **Vonderschmidt A** (2020). Assessing the Need for Food Safety Training in Western New York State. *New York Academy of Nutrition and Dietetics 2020 Conference (cancelled; COVID-19)* | Poster Presentation
13. **Vonderschmidt A** (2019). The Cultures of Nutrition in France and the United States: Differing Perspectives. *Kansas Academy of Nutrition and Dietetics 2019 Conference* | Poster Presentation
14. **Vonderschmidt A** (2019). The Cultures of Nutrition in France and the United States: Differing Perspectives. *Kansas State University Modern Languages 2019 Initials: Student Research Forum* | Poster Presentation

Certifications

Jul 2020 - **Registered Dietitian Nutritionist**, Commission on Dietetic Registration (certification #86106159)

Proficiencies

Language **English**, native/C2 | **French**, advanced/C1 | **German**, novice/B1
Coding & Analysis ([GitHub](#)) **R**, **Python**, **html**, **SAS**, **Covidence** & **RevMan**, **Quanto**, **JMP**

Strategic | Activator | Futuristic | Communication | Individualization

([Clifton Strengths - Gallup](#))