

Curriculum Vitae of Mrs Kathryn Jane BURTON-PIMENTEL
PhD, RD *Dietitian/ Clinical Researcher*

PERSONAL INFORMATION

Contact Agroscope, Schwarzenburgstrasse 161, CH-3003 BERN, Switzerland.
Telephone: +41 (0)58 467 3187 Email: Kathryn.Pimentel@agroscope.admin.ch

Date & place of birth 28 September 1986, Huntingdon, United Kingdom

Nationality/Languages British/English (native); French (fluent, spoken and written); German (A2)

OrcID 0000-0002-7314-2187

CURRENT POSITION

Jan 2018- present **Researcher**, Agroscope (Federal Office for Agriculture FOAG), Bern. Nutritional and bioinformatic analysis for five ongoing projects of the FerFood.CH group. Scientific coordinator with supervision of two PhD candidates in the Functional Nutritional Biology group. Teaching, publication and communication for the Human Nutrition, Sensory Analysis and Flavour group.

EDUCATION

Degrees and Professional Titles

June 2013- June 2017 **PhD in Life Sciences** (Certificate in Cardiovascular and Metabolism Science), University of Lausanne, Switzerland. Thesis topic: Nutrigenomics, Dairy Products and Health. Supervisor: Prof. FP Pralong. Grade: 6/6. Date of defense: 5th May 2017.

June 2014 **Registered dietitian title in Switzerland**, Croix Rouge (Registration no: ERBFH20142)

July 2011 **Registered dietitian title**, Health & Care Professions Council, UK (Registration no: DT25857)

Sept 2010- July 2011 **Master 2**, AgroParisTech, Paris, France. Food and bioproducts. Grade: 75% *Mention bien*

Sept 2006- July 2010 **Master of Nutrition (Mnut)**, University of Nottingham, UK. Degree: 2:1 (Hons), Grade: 67%

Sept 2005- July 2006 **Self-financed gap year**, world travel and voluntary work

Sept 1998-July 2005 **Secondary School**, Hitchin Girls' School, UK. A-Levels, BBB; (AS-Levels), B

Continuing Professional Development

June 2017- current Dietetics professional development, accredited courses and symposia of SVDE/ASDD

Jan 2020 Nutrition winter School on Gut Microbiota and dietary analysis, Levi, Lapland

June 2019 Helis Academy Course « Omics data analysis through data integration », Niel, Belgium

April 2019 Cardiovascular Systems MEdicine Summer School. Hamburg, Germany.

Oct 2014- March 2019 Bioinformatics training- sequencing, UNIX, Python, R (Swiss Institute of Bioinformatics)

Jan 2018 Nutrition Winter School- « Big data in dietary intervention studies », Levi, Lapland

Sept 2016 NuGO course « *Use of Large Scale Data in Dietary Intervention Studies* », Copenhagen Denmark.

July 2014 Evaluation of Physical Activity Course, PPHS program, University of Basel.

Sept 2013 « *Becoming a clinical investigator/sponsor* », accredited by Swiss Ethics, Lausanne.

PROFESSIONAL AND ACADEMIC EXPERIENCE

July 2017-Dec 2017 **Postdoctoral position**, Agroscope, Bern & Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland (7 month contract)
Bioinformatics analysis and support for the transcriptomic dataset of the EU FoodBALL nutritional biomarkers study; statistical analysis and consulting for the PolyNut clinical study.

June 2013- June 2017 **Research assistant/Dietitian**, CHUV, Lausanne, Switzerland.
Planned, executed, and interpreted data for multiple human nutrition studies. Data analysis for metagenomics, nutrigenomics, and classical biomarkers. Molecular biology

analysis. Menu planning, dietary counselling, calorimetry assessment.
Apr 2012-May 2013 **Dietitian** (Band 5), Rotherham NHS Trust, Rotherham, UK.
Jan 2011-June 2011 **Master 2 research placement**, Centre des Sciences du Gout et de l'Alimentation, Dijon, France.
June 2009- Mar 2011 **Mnut clinical placements** 6 months UK
Oct 2004- Aug 2006 **Health care assistant** (part-time) Lister Hospital, Stevenage, UK

PUBLICATIONS AND COMMUNICATIONS

25 publications in peer-reviewed journals
 3 publications in non-peer reviewed journals
 8 oral presentations (national and international)
 (See annexed document for detailed list)

GRANTS

June 2023 Co-applicant for Lactobreath project (205321-215112), SNSF project funding awarded

PRIZES, AWARDS & FELLOWSHIPS

Jan 2018, June 2019 NuGo travel/conference grants awarded
April 2019 COME summer school full conference grant
Sept 2014, Aug 2017 Poster 1st Prize winner- Two NuGO Conferences (Varna, Bulgaria and Naples, Italy)
June 2016 LIMNA (Lausanne Integrative Metabolism and Nutrition Alliance) travel grant award

SUPERVISION OF JUNIOR RESEARCHERS AT GRADUATE AND POSTGRADUATE LEVEL

July 2023- Present Co-supervisor for PhD candidate (ETH Zürich) - Lactobreath project
May 2021- Present Co-supervisor for PhD candidate (UNIL) - Metabolic Nutrient Profiling project
Sept 2018- Mar 2022 Co-supervisor for PhD candidate (Wageningen University) - Cardioferment project
Sept 2019- Feb 2020 Supervisor for Master placement (Wageningen University - Cardioferment sub-project)

TEACHING ACTIVITIES

May 2019- Present Guest lecturer for ETH Zürich Master of Advanced Sciences course *Nutrigenomics*
Sept 2020 Guest lecturer for NuGO postgraduate course *Multiplatform-omics data analysis in nutrigenomics studies*. Data integration session. Online course
June 2020 NuGO ECN webinar-*Nutrition and the microbiota analysis*
Nov 2019- Nov 2021 Annual guest lectures on nutrition for the Batchelor programme of Food Science; University of applied Sciences BFH-HAFL, Zollikofen
June 2019- May 2021 Annual lectures and teaching on nutrition and nutrigenomics for Certificate of Advanced Studies (CAS) in clinical nutrition; UNISANTE, University of Lausanne

ORGANIZATION OF CONFERENCES

Sept 2019 NuGO postgraduate course committee coordinator. *Postgraduate course: Nutrimetabolomics: how to use the toolkit!* 28 international participants. Agroscope, Bern
Sept 2019 NuGOweek 2019- local committee member. Agroscope, Bern

ACTIVE MEMBERSHIPS IN SCIENTIFIC SOCIETIES & EDITORIAL BOARDS

Sept 2020- Present Guest editor for Nutrigenomics collection of Frontiers for Young Minds journal
Dec 2017- March 2022 Committee member and board representative (2018) of the NuGO Early career network (ECN)
Dec 2016- present Full member of the 'Association suisse des diététicien-ne-s' (SVDE)