

Curriculum Vitae of Miss Kathryn Jane BURTON PhD, RD *Dietitian/ Clinical Researcher*

PERSONAL INFORMATION

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Telephone: +41 (0)58 467 3187 Email: Kathryn.Burton@agroscope.admin.ch

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

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

Other International driver's license

EDUCATION

Degrees and Professional Titles

June 2013- June 2017 **PhD in Life Sciences** (Certificate in Cardiovascular and Metabolism Science), University of Lausanne, Switzerland.
Title: 'A nutrigenomic strategy to investigate how milk products affect parameters of human health'.
Thesis directors: Prof. F Pralong (CHUV, Lausanne) & Dr G Vergères (Agroscope, Bern).
Research based on a randomised crossover study that assessed the impact of probiotic yoghurt (relative to acidified milk) on multiple health and nutrigenomic outcomes in healthy young men. The PhD was part of research position at Centre Hospitalier Universitaire Vaudois (CHUV).
PhD awarded: 9th June 2017

June 2014 **Croix-Rouge Suisse recognition of title** "Dietetique (Niveau Haute ecole specialise (ISCED 5A)"
Registration no: ERBFH20142.

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

Sept 2010- July 2011 **Master 2**, AgroParisTech, Paris, France. Aliments et Bioproduits - Nutrition et Santé (Food and bioproducts - Nutrition and Health). 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. Activities included voluntary work, care assistant for disabled children (Hong Kong), leadership of hiking expeditions (France).

Sept 1998-July 2005 Secondary School, Hitchin Girls' School, UK. Exams: (A-Levels), Maths B, Physics B, Chemistry B; (AS-Levels), French B. Gold Level "Duke of Edinburgh Award"

Continuing Professional Development

June 2017- current Clinical dietetics professional development validated by the Swiss Association for Dietitians (SVDE/ASDD) (including Nutridays 2018, symposiums on obesity and microbiota organised by CHUV, Lausanne and HUG, Genève).

Jan 2020 Nutrition winter School- Diet & Microbes: Gut health for the brain and body, Levi, Lapland.

June 2019 Helis Academy Course: Omics data analysis through data integration - using biological pathways, networks, and linear models, Niel, Belgium

April 2019 Cardiovascular Systems MEdicine Summer School. *From disease to p-values and back to the patient.* Hamburg, Germany. Grant awarded for conference expenses.

March 2019 Python for Life Scientists (Swiss Institute of Bioinformatics)

Jan 2018 Nutrition Winter School- « Big data in dietary intervention studies- special focus on the microbiota », Levi, Lapland

Sept 2017 NuGo post-graduate course « Advances in the use of new technologies in molecular nutrition studies », Varna, Bulgaria

Oct 2014- Aug 2018 Bioinformatics training (Swiss Institute of Bioinformatics): High performance computing, Next generation sequencing including RNAseq analytics, PCA analysis, linear regression modelling, UNIX & R language.

Sept 2016 NuGO post-graduate 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 2014 European Summer School on Nutrigenomics, Camerino, Italy.

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

International Communications

Jan 2020	6 th Nutrition winter School, (Levi, Lapland) (poster presentation)
April 2019	CardiOvascular Systems MEdicine Summer School (Hamburg, Germany) (poster presentation)
Sept 2018	NuGO Annual conference (Newcastle, UK) (oral presentation)
Jan 2018	5 th Nutrition winter School, (Levi, Lapland) (oral presentation)
Jan 2018	5 th International conference on Foodomics (Cesena, Italy) (oral presentation)
Dec 2017	4 th International JPI HDHL Conference- selected young speaker for presentation of the FoodBALL project, (Brussels, Belgium) (oral presentation)
Aug 2017	NuGO Annual conference (Varna, Bulgaria) (poster presentation)
Sept 2016	NuGO Annual conference (Copenhagen, Denmark) (oral presentation)
June 2016	76 th Scientific Sessions American Diabetes Association (New Orleans, USA)(poster presentation)
Sept 2014	NuGO Annual conference (Naples, Italy) (poster presentation)

PUBLICATIONS

10 publications in peer-reviewed journals (see annexed document for detailed list)

EMPLOYMENT HISTORY

Jan 2018- present	Researcher , Agroscope (Federal Office for Agriculture FOAG), Bern. Nutritional and bioinformatic analysis for six ongoing projects of the Fermentomics group. Scientific coordinator of PhD candidate for the CardioFerment project. Teaching, publication and communication for the Human Nutrition, Sensory Analysis and Flavour Group.
July 2017-Dec 2017	Postdoctoral position , Agroscope (Federal Office for Agriculture FOAG), Bern & Centre Hospitalier Universitaire Vaudois, 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 , Department of Endocrinology, Diabetology and Metabolism, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland. Planned, executed, and interpreted data of multiple nutritional clinical studies. Data analysis for metagenomic, nutrigenomics, and classical biomarkers. RNA/DNA extraction, RT-PCR, gel electrophoresis. Menu planning, dietary counselling, calorimetry assessment. Department Manager: Prof. F Pralong.
Apr 2012-May 2013	Dietitian (Band 5), Rotherham NHS Trust, Rotherham, UK. Hospital & community dietetic consultations; patient & healthcare profession training
Jan 2011-June 2011	Master 2 research placement at the Centre des Sciences du Gout et de l'Alimentation, Dijon, France. Cell culture modelling for odorant evaluation and molecular biology techniques.
Jan 2010- Mar 2011	Mnut clinical placement 2 (3 months) Lincoln Hospital, UK
June 2009- Aug 2009	Mnut clinical placement 1 (3 months) Leicester Hospital, UK
Oct 2004- Aug 2006	Health care assistant (part-time) Lister Hospital, Stevenage, UK

TEACHING/ CONFERENCES

Sept 2019	NuGO postgraduate course committee coordinator. <i>Postgraduate course: Nutrismetabolomics: how to use the toolkit!</i> 28 international participants. Agroscope, Bern.
Sept 2019	NuGOweek 2019- local committee member. Agroscope, Bern.

ACTIVE MEMBERSHIPS IN SCIENTIFIC SOCIETIES

Dec 2017- present	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)
Nov 2014- Dec 2018	Student member of the 'Suisse Société d'Endocrinologie et Diabétologie'(SSED)

PRIZES, AWARDS & FELLOWSHIPS

June 2019	Travel grant to attend HELIS course on behalf of NuGO bioinformatics working group
April 2019	COME full conference grant to participate in summer school (Hamburg, Germany)
Jan 2018	NuGo conference grant for participation in the 5 th Nutrition Winter School (Levi, Lapland)
Dec 2017	Selected young researcher for presentation of the FoodBALL project at JPI HDHL conference (Brussels, Belgium)
Aug 2017	Poster 1st Prize winner- NuGO Annual Conference (Varna, Bulgaria)
June 2016	LIMNA (Lausanne Integrative Metabolism and Nutrition Alliance) travel grant award for the American Diabetes Association (ADA) conference (New Orleans, USA)
Sept 2014	Poster 1st Prize winner- NuGO Annual Conference (Naples, Italy)