

A. Education

2012: Ph.D. in Neuroscience (*summa cum laude*), Univ. of Bordeaux, France
2008: MSc Neuroscience and Neuropsychopharmacology (*summa cum laude*), Univ. of Bordeaux
2007: BSc in Cellular Biology and Physiology (*cum laude*), Univ. of Bordeaux
2006: Higher National Diploma in Biological Engineering (*cum laude*), Univ. of La Rochelle, France

B. Academic positions

2020-Present: Lecturer in Neuroscience / Principal investigator, The Rowett Institute, University of Aberdeen, UK.
2019: Visiting scientist, National Institute on Drug Abuse (NIDA), Cellular Neurobiology Research Branch, Baltimore, USA.
2017-2020: Postdoctoral fellow, Dept. Neuroscience, Psychology & Behaviour, Univ of Leicester, UK.
2016-2017: Postdoctoral fellow, Nutrition and Integrative Neurobiology lab (INRAE/Univ. of Bordeaux UMR 1286).
2013-2016: Postdoctoral fellow, Aquitaine Institute for Cognitive and Integrative Neuroscience (INCIA; CNRS/Univ. of Bordeaux UMR5228).

C. Research grants and awards

2024-2027: BBSRC New Investigator grant (3 years, ~£661k: PI)
2025: Scottish Universities Life Sciences Alliance (SULSA) Network Support (co-PI)
2025: Aberdeen-Calgary Research Catalyst fund (PI) / The Hotchkiss Brain Institute International collaboration grant (co-PI)
2025: Royal Society of Edinburgh small grant (1 year, £5k: PI)
2024-2026: Regeneron Pharmaceuticals (industry collaboration grant; 2 year, ~£580: co-I)
2024-2025: Tenovus Scotland pilot grant (1 year, ~12k: co-I)
2022-2024: AMS Springboard award (2 years, £100k: PI)
2021-2023: Tenovus Scotland (1 year, £12k: PI)
2021-2022: Wellcome Trust Institutional Strategic Support Fund (ISSF), Univ. of Aberdeen (6 months, £20k; PI)
2021-2022: Royal Society Research grant (1 year, £20k; PI)
2019: Doctoral College Early Career Researcher Fund, University of Leicester (3 months, £2k; PI in collaboration with Dr. Yeka Aponte, NIDA IRP)
2012-2013: Fondation pour la Recherche Médicale (FRM) short-term fellowship (6 months, €6k)
2008-2012: French Ministry of Higher Education and Research Ph.D. fellowship (3 years, €60k)

D. Publications

ORCID ID: 0000-0002-7888-338X; **Researcher ID:** J-8831-2019

Google scholar: <https://scholar.google.co.in/citations?user=CNe4fIIAAAAJ&hl=en&oi=ao>)

I. Original publications

- Chiacchierini G, **Naneix F**, Apergis-Schoute J, McCutcheon JE. *Dietary protein restriction in rats leads to a rapid and unlearned preference for protein* (2025). *Physiology & Behavior* 295, 114882.
- Osorio-Gómez D et al., and **OBETEEN consortium**. *Early-life and chronic exposure to high-fat diet alters noradrenergic and glutamatergic neurotransmission in the male rat amygdala and hippocampus under cognitive challenges* (2024). *Journal of Neuroscience Research* 102(6)
- Hernandez-Ramirez S et al., and **OBETEEN consortium**. *Voluntary physical activity improves spatial and recognition memory deficits induced by post-weaning chronic exposure to a high-fat*

diet (2022). Physiology & Behavior 254, 113910

- Chiacchierini G, **Naneix F**, Apergis-Schoute J, McCutcheon JE. *Restriction of dietary protein in rats increases progressive-ratio motivation for protein* (2022). Physiology & Behavior 254, 113877.
- Chiacchierini G*, **Naneix F***, Peters KZ, Apergis-Schoute J, Snoeren EMS, McCutcheon JE (*equal contribution). *Protein appetite drives macronutrient-related differences in ventral tegmental area activity* (2021). The Journal of Neuroscience 41(23): 5080-5092.
- **Naneix F***, Bakoyiannis I*, Santoyo-Zedillo M, Bosch-Bouju C, Pacheco-Lopez G, Coutureau E, Ferreira G (*equal contribution). *Chemogenetic silencing of hippocampus and amygdala reveals a double dissociation in periadolescent obesogenic diet-induced memory alterations* (2021). Neurobiology of Learning and Memory 107354.
- **Naneix F***, Peters KZ, Young AMJ, McCutcheon JE (#corresponding author). *Age dependent effects of protein restriction on dopamine release* (2021). Neuropsychopharmacology 46: 394-403.
- **Naneix F***, Pinder SC*, Summers MY, Rouleau RM, Robinson E, Myers KP, McCutcheon JE (*equal contribution). *Portion size does not influence food consumption in rats* (2019). Physiology & Behavior 206: 225- 231.
- **Naneix F**, Darlot F, De Smedt-Peyrusse V, Pape J-R, Coutureau E, Cador M. *Protracted motivational dopamine-related deficits following adolescence sugar overconsumption* (2018). Neuropharmacology 129: 12-25.
- **Naneix F***, Tantot F*, Glangetas C, Kaufling J, Janthakhin Y, Boitard C, De Smedt-Peyrusse V, Pape J-R, Vancassel S, Trifilieff P, Georges F, Coutureau E, Ferreira G (*equal contribution). *Impact of early consumption of high-fat diet on the mesolimbic system* (2017). eNeuro 4(3).
- Tantot F Parkes SL, Marchand AR, Boitard C **Naneix F**, Layé S, Trifilieff P, Coutureau E, Ferreira G. *The effect of high-fat diet consumption on appetitive instrumental behavior in rats* (2017). Appetite 108: 203-211.
- **Naneix F**, Darlot F, Coutureau E, Cador M. *Long-lasting deficits in hedonic and nucleus accumbens reactivity to sweet rewards by sugar overconsumption during adolescence* (2016). European Journal of Neuroscience 43: 671-680.
- Alcaraz F*, **Naneix F***, Desfosses E, Marchand AR, Wolff M, Coutureau E (*equal contribution). *Dissociable effects of anterior and mediodorsal thalamic regions on spatial goal-directed behavior* (2014). Brain Structure and Function 221(1): 79-89.
- **Naneix F**, Marchand AR, Pichon A, Pape J-R, Coutureau E. *Adolescent stimulation of D2 receptors alters the maturation of dopamine-dependent goal-directed behavior* (2013). Neuropsychopharmacology 38(8): 1566-1574.
- **Naneix F**, Marchand AR, Di Scala G, Pape J-R, Coutureau E. *Parallel maturation of goal-directed behavior and dopaminergic systems during adolescence* (2012). The Journal of Neuroscience 32(46): 16223-16232.
- **Naneix F**, Marchand AR, Di Scala G, Pape J-R, Coutureau E. *A role for medial prefrontal dopaminergic innervation in instrumental conditioning* (2009). The Journal of Neuroscience 29(18): 6599-6606.

II. Reviews, commentaries, book chapters

- **Naneix, F**, Coutureau, E. *Dopaminergic Control of Actions and Habits* (2023). In: Fuentealba-Evans, JA, Henny, P (eds). Dopaminergic System Function and Dysfunction: Experimental Approaches. Neuromethods, vol 193.
- Peters KZ and **Naneix F**. *The role of dopamine and endocannabinoid systems in prefrontal cortex development: Adolescence as a critical period* (2022). Frontiers in Neural Circuits 16: 939235.
- **Naneix F**, Peters KZ, McCutcheon JE. *Investigating the effect of physiological need states on palatability and motivation using microstructural analysis of licking* (2020). Neuroscience (Special Issue: Neuroscience of Obesity) 447: 155-166.

- Parkes SL, Furlong TM, **Naneix F.** Commentary “*Cafeteria diet impairs expression of specific satiety and stimulus-outcome learning*”. *Frontiers in Psychology* 6: 536.

E. Honours and Awards

2025: Symposium Chair, BNA Festival of neuroscience 2025, Liverpool, “Motivation and reward pursuit – from cues to adaptive decision-making”.

2022: Symposium Chair, Monitoring Molecules in Neuroscience (MMiN) meeting 2022, Lyon, “Central and Peripheral control of feeding”.

2019: Symposium Chair, EBBS meeting 2019, Prague, “*Maturation and vulnerability of mesocorticolimbic circuitries*”.

2019: EBBS 2019 Travel award (Elsevier-Brain and Behaviour Research).

2019: The Physiology Society travel award to attend the Society for Neuroscience 2019 meeting.

2017: Postdoc Prize talk, Dept. of Neuroscience, Psychology and Behaviour, University of Leicester.

F. Teaching/Training experience

I. Teaching (2020-now)

UG: - Brain Function and Malfunction (lecture + student seminars)

- Developmental Neuroscience (lectures + student seminars)
- Nutrition, Obesity and Metabolic Health (lecture)

PG: - Nutrition and Health Through the Life Stages (course coordinator, online course, 100-120 students per year)

- Diabetes and Metabolism (lecture)
- Molecular Nutrition (lecture)
- Foundations of Nutrition / Fundamentals of Human Nutrition and Metabolism (lecture)

Other: - Undergraduate Honours projects (lab projects)

- Master research projects (lab or online projects)
- Pastoral care (Tutor)
- Senior Personal Tutor for the School of Medicine, Medical Sciences and Nutrition

PhD committee: - Internal examiner x 2

- External examiner x 3 (Leicester; Bordeaux; Cambridge)

II. PhD candidates

2018-2020: Co-supervision of Dr Giulia Chiacchierini (College of Life Sciences doctoral program, Leicester; current position: postdoctoral fellow Sapienza University, Rome).

III. Undergraduate / Postgraduate students

As PI since 2020:

6 UG students (University of Aberdeen)

5 PG students (3 University of Aberdeen, 2 University of Paris Saclay)

As PhD student/postdoctoral fellow (2008-2020)

6 PG students (5 University of Bordeaux, 1 University of Leicester, 1 NIDA Summer Volunteer program)

IV. Demonstrating

2017: Demonstrator for the Neuroanatomy practical (BSc Biological Sciences, University of Leicester) ~75 students

2016: Instructor in the 3rd Cajal Training International Nutrition and Brain Summer school (Bordeaux)

2014: Instructor in the 1st Cajal Training International Nutrition and Brain Summer school

(Bordeaux)

G. Professional activities

I. Peer review service

Ad Hoc: Addiction Biology, Behavioural Brain Research, Behavioural Processes, Brain Research, eLife, Frontiers in Behavioral Neuroscience, Journal of Comparative Neurology, Journal of Neuroscience Methods, Molecular Psychiatry, Neurobiology of Stress, Neuropsychopharmacology, PLoS One, Scientific Reports, Seminars in Cell and Developmental Biology, Trends in Energy & Metabolism.

Grant: BBSRC responsive mode

II. Conference activities

- MMin 2022 meeting, Lyon: Session organizer and chair “*Central and peripheral control of feeding*”
- EBBS 2019 meeting, Prague: Session organizer and chair “*Maturation and vulnerability of mesocorticolimbic circuitries*”

III. Administration and community engagement

2024-now: UoA Foresterhill Biological Safety committee member / UoA SMMSN Lab Sustainability committee member / School of Medicine, Medical Sciences and Nutrition internal REF evaluation group member.

2024: Rowett Institute Open Day (public outreach)

2021-now: Biological Service Unit committee panel member / Rowett Ethic panel member

2021: Explorathon 2021 (public outreach day), Aberdeen Science Centre

2018-2019: Organization committee member and participant (dynamic poster and experiment about “Taste detection and coding in humans and animal models”), Brain Awareness Day, University of Leicester.

2018: Organization committee member, Postgraduate Researchers Day 2018 of the Department of Neuroscience, Psychology and Behaviour, University of Leicester.

2010: Organization committee member, Bordeaux Neurosciences Institute Annual Meeting.

2009-2011: Organization committee member, Bordeaux Doctoral School, Arcachon, France

2009: Student organization committee member, NeuroFrance meeting, Bordeaux, France.

2008-2012: Student Elected member at the INCIA department council

2008-2012: Student Elected member at the Bordeaux Doctoral School scientific council.

IV. Scientific societies

French Neuroscience society (2008-present), Federation of European Neuroscience Societies (FENS, 2008-present), British Neuroscience Association (2020-present).

European Brain and Behaviour Society (EBBS, member 2008-present / Executive Committee member 2023-2026). International Society for Monitoring Molecules in Neuroscience (Executive Committee, 2024-2026).

V. Professional development

Home Office: Personal Licence and Project licence training

Univ of Aberdeen: Learning & Teaching in HE at the University of Aberdeen / Marking and Assessment / Leadership and Supervisory skills / PI development course.

Institute of Leadership and Management: Leadership & Management Level 3 certificate.

Institute of Leadership and Management: Project Management certificate.

H. Research techniques

<i>In vivo</i> neuronal recordings	<ul style="list-style-type: none"> • Genetically-encoded calcium (GCaMP) and biosensor imaging in behaving rats and mice • Fibre photometry recordings • Miniaturised fluorescence microscope and GRIN lens implantation.
<i>Ex vivo</i> fast-scan cyclic voltammetry	<ul style="list-style-type: none"> • Slice recordings of dopamine release in response to electrical or drug stimulation.
Rodent behaviour	<ul style="list-style-type: none"> • Associative learning procedures (Pavlovian and instrumental conditioning). • Feeding, motivation and hedonic processes (progressive ratio task, licking microstructure analysis, hedonic reactivity). • Intra-oral and intra-gastric administration • Short and long-term memory testing (object location and recognition memory, T-Maze task). • Locomotor activity, open-field behaviour, elevated plus- maze. • Systemic pharmacological manipulations (i.p., s.c., i.m.).
Targeting and manipulation of brain circuits and neuronal populations	<ul style="list-style-type: none"> • Excitotoxic lesions (e.g. 6-OHDA lesions). • Pharmacological local approaches using Intracerebral drug microinfusions. • Viral targeting. • Retrograde tracers. • Chemogenetic approaches (DREADD).
Rodent surgery	<ul style="list-style-type: none"> • Rat and mouse stereotaxic surgeries. • Intra-oral and intra-gastric catheter. • Brain cannula implantation. • Optical fibre and GRIN lenses brain implantation.
<i>Ex vivo</i> brain analysis	<ul style="list-style-type: none"> • Bright field and fluorescent immunostaining and microscopy • Molecular biology approaches (RNA extraction, reverse transcription, quantitative RT-PCR, electrophoresis) • Western Blot.

Language: French (mother tongue), English (fluent reader, speaker and writer).

IT skills: GraphPad Prism, SPSS, ImageJ, Adobe Illustrator and Photoshop, Python.

I. Scientific presentations

I. Invited talks

- 2025:** Summer Ingestive behaviour symposium, University of Calgary, Canada
- 2025:** British Neuroscience Association (BNA) Festival of Neuroscience conference, Liverpool, UK
- 2025:** Bordeaux Neurocampus, University of Bordeaux, France
- 2023:** Scottish Neuroscience Meeting, Glasgow
- 2021:** Department of Anatomy and Neurobiology, University of Maryland, School of Medicine, Baltimore, USA.
- 2020:** Institute of Medical Sciences, Aberdeen, UK.
Rowett Institute, University of Aberdeen, UK.
CNR Neuroscience Institute, Pisa, Italy.
- 2017:** 10th meeting Nutrition and Neuroscience, Bordeaux, France.
- 2015:** 8th meeting Nutrition and Neuroscience, Bordeaux, France.
- 2013:** Research Institute of Molecular Pathology (IMP), Vienna, Austria.
- 2012:** Nutrition and Integrative Neurobiology laboratory, University of Bordeaux, France.
- 2011:** 11th Bordeaux Health and Life Sciences Doctoral School Meeting, Arcachon, France.

II. Selected talks

- 2024:** Monitoring Molecules in Neuroscience, Chapel Hill, NC, USA.
- 2022:** Monitoring Molecules in Neuroscience, Lyon, France.
- 2019:** EBBS Young Investigators Blitz session, Prague, Czech Republic.
- 2017:** Postdoc Prize talk, Dept. of Neuroscience, Psychology and Behaviour, Univ. of Leicester.
NeuroMem meeting, Bordeaux, France.
- 2016:** NeuroMem meeting, Lacanau, France.
- 2010:** NeuroMem meeting, Oléron, France.

III. Posters in national and international conferences

- 2024:** Monitoring Molecules in Neuroscience, Chapel Hill, NC, USA.
Scottish Neuroscience Meeting, Aberdeen, UK
- 2023:** Comparative Neuronal Circuits For Adaptive Behaviour (Bordeaux Neurocampus conference)
- 2022:** International Behavioral Neuroscience Society (IBNS), Glasgow, UK.
- 2021:** EBBS meeting, Lausanne, Switzerland
- 2020:** FENS virtual forum
- 2019:** Society for Neuroscience Annual meeting, Chicago, USA.
EBBS meeting, Prague, Czech Republic
SSIB 2019 meeting, Utrecht, Netherlands
British Neuroscience Association 2019, Dublin, Ireland
NeuroFrance 2019, Marseille, France
- 2018:** Monitoring Molecules in Neuroscience 2018, Oxford, UK.
- 2017:** NeuroFrance 2017, Bordeaux, France.
SSIB 2017 meeting, Montreal, Canada
- 2016:** Dopamine conference 2016, Vienna, Austria
- 2015:** EBBS & EBPS Joint Meeting, Verona, Italy
NeuroFrance 2015, Montpellier, France
- 2014:** FENS forum, Milan, Italy
Society for Neuroscience Annual Meeting, Washington DC, USA
NeuroMem meeting, Grasse, France
- 2013:** NeuroFrance 2013, Lyon, France
- 2012:** FENS forum, Barcelona, Spain
NeuroMem meeting, Cargèse, France
- 2011:** Society for Neuroscience Annual Meeting, Washington DC, USA.



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2010: Bordeaux Neurocampus Annual Meeting, Bordeaux, France
2009: NeuroFrance 2009, Bordeaux, France
EBBS meeting, Rhodes, Greece