Le Nézet Louis

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Qualifications

2025	**PhD** in Genomic Bioinformatics, University of Rennes, France
2018	**Master's Degree** in Animal and Human Behaviour, University of Rennes, France
2016	**Bachelor's in Biology**, University-Brittany-South / Vannes, France

Positions

2025	**PhD Student**, UMR 6290 IGDR, France: *Genetics basics of hip dysplasia in dogs as a model for developmental dysplasia of the hip in humans*
2021	**Research technician**, UMR 6290 IGDR, France: *Genetics of hips dysplasia in guide dogs*
2018	**Ethology internship**, UMR 6552 EthoS, France: *Social stress and comfort food in ponies **Equus caballus** and in collared mangabeys **Cercocebus torquatus***
2017	**Ethology internship**, Eötvös Loránd University, Department of Ethology, Budapest: *Screening for sensory decline in ageing pet dogs*

Fundings

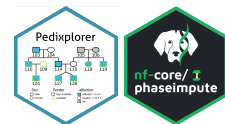|	
2025	4th year end of PhD - "Fondation pour la Recherche Médicale"
2024	Travel grant - EuroBioc Oxford
2021	PhD Research Grant - Visio Foundation
2017	Regional youth international scholarships grant - Brittany region

External Standing

2025	Nextflow Ambassador & nf-core hackathon organizer
2024	nf-core hackathon organizer
	Reviewer for Human heredity, ISSN: 1423-0062
2023	Organization member for the 1st and 2nd Life Science PhD Symposium
2021	Organization member for the 48th SFECA congress

Publications

Codes

Pedixplorer (v1.1.5)	**Bioconductor** pedigree R package	
Phaseimpute (v1.0.0)	**nf-core** pipeline for phasing and imputation	

Articles

Louis, Le Nézet et al. (June 2024). "PhaseImpute an nf-core pipeline for genetic imputation". In: Journées Ouvertes en Biologie, Informatiques et Mathématiques - 2024 - Toulouse.

Lauranne, Machou, Le Nézet Louis, and Quignon Pascale (Jan. 2022). "Faire avancer la recherche sur la génétique de la dysplasie coxo-fémorale du chien". FR. In: *La semaine vétérinaire* 1928, pp. 14–15.

Zsófia, Bognár et al. (July 2020). "A novel behavioural approach to assess responsiveness to auditory and visual stimuli before cognitive testing in family dogs". In: *Applied Animal Behaviour Science* 228, p. 105016. ISSN: 0168-1591. DOI: 10.1016/j.applanim.2020.105016.

Past Presentations

Posters

- *Introducing nf-core/phaseimpute from idea to release*
  Phd Symposium 2024 - Rennes and Nextflow Summit 2024 - Barcelona

- *Imputation dans l'analyse génétique de la dysplasie de la hanche: une approche One Health chez le chien et l'Homme*
  Assise de Génétiques 2024 - Paris and Atelier 281 Inserm 2024 - Bordeaux

- *From Dog to Human: Searching the genetic bases of hip dysplasia*
  IGDR Day 2023 - Rennes and ED SVS Scientific day 2024 - St-Malo

Oral

- *Pedixplorer: A modern R BioConductor package for efficient kinship analysis to draw and request complex pedigrees*
  EuroBioc 2024 – Oxford

- *nf-core pipeline for genetic imputation: PhaseImpute*
  Nextflow summit 2023 - Barcelona, PhD Symposium 2023 - Rennes, JOBIM 2024 - Toulouse

- *La dysplasie de la Hanche du Chien à l'Homme*
  MT180 Rennes and Brittany 2023