

# 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

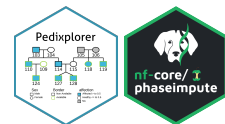
- 2025 Nextflow Ambassador & nf-core hackathon organizer
- 2024 nf-core hackathon organizer  
Reviewer for Human heredity, ISSN: 1423-0062
- 2023 Organization member for the 1<sup>st</sup> and 2<sup>nd</sup> Life Science PhD Symposium
- 2021 Organization member for the 48<sup>th</sup> SFECA congress

## Publications

### Codes

Pedixplorer (v1.1.5)  
Phaseimpute (v1.0.0)

**Bioconductor** pedigree R package  
**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

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### 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