

Le Nézet Louis

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Qualifications

2021-2025: PhD in Genomic Bioinformatics, University of Rennes, France

2016-2018: Master's Degree in Animal and Human Behaviour, University of Rennes, France

2015-2016: Bachelor's in Biology, University-Brittany-South / Vannes, France

Positions

2021-2025: PhD Student, UMR 6290 IGDR, France: "Genetics basics of hip dysplasia in dogs as a model for the developmental dysplasia of the hip in humans"

2020-2021: 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 (*Canis familiaris*)"

Fundings

2025: 4th year end of PhD: "Fondation pour la Recherche Médicale"

2021-2025: PhD Research Grant, Visio Foundation

2017: Regional youth international scholarships grant: Brittany region

External Standing

Reviewer: Human heredity, ISSN: 1423-0062

2025: Nextflow Ambassador

2024-2025: nf-core hackathon organizer

Member: Organization member for the 1st and 2nd Life Science PhD Symposium

Member: 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.....

2025: Lenezet L., et al. "Genetic imputation in canine hip dysplasia: a One Health approach." *Journal of Comparative Genetics* 2025.

Past Presentations

Posters.....

Poster 1: "Introducing nf-core/phaseimpute from idea to release", Phd Symposium 2024 - Rennes and Nextflow Summit 2024 - Barcelona

Poster 2: "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

Poster 3: "From Dog to Human: Searching the genetic bases of hip dysplasia", IGDR Day 2023 - Rennes and ED SVS Scientific day 2024 - St-Malo

Oral.....

Talk 1: "nf-core pipeline for genetic imputation: PhaseImpute", Nextflow summit 2023 - Barcelona, PhD Symposium 2023 - Rennes, JOBIM 2024 - Toulouse

Talk 2: "Pedixplorer: A modern R BioConductor package for efficient kinship analysis to draw and request complex pedigrees", EuroBioc 2024 – Oxford

Talk 3: "La dysplasie de la Hanche du Chien à l'Homme", MT180 Rennes and Brittany 2023