



# LENA NIELSEN

BIOMEDICAL SCIENTIST, MSc

I am a 27 years-old French citizen with Danish origins. I have been interested in biology and pathology as I would like to have a positive impact on healthcare. I love nature, being active, martial arts and since I am in Denmark, I have started knitting to live a "hyggeligt" life.

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## LANGUAGES

**French**  
Mother tongue

**English**  
Fluent TOEFL iBT® 90/120

**Danish**  
Preliminary A2B module 4/5

## EDUCATION

**2014-20 Biomedical Sciences**  
Immunology, Microbiology, Virology, Histology, Molecular biology, Proteomic, Physiology

### Internships

**2020** CHU of Kigali, RW

**2018** AIDS Reference Centre, BE

**2017** GIGA Neurosciences, BE

## LICENSES & CERTIFICATS

**2023** Laboratory Animal Science A/D

**2020** Master Degree in Biomedical Sciences  
Option F. Multidisciplinary English

**2019** Bachelor Degree in Biomedical Sciences

**2016** Driving Licence (B)

**2014** Scientific general baccalaureate  
Option Biology, with honours (good)

## QUALIFICATIONS & COMPETENCES

Molecular Biology (DNA/RNA extraction, PCR/qPCR, agarose gels)

Cell Culture

PBMC isolation

Microscopy, confocal microscope

Implementing experiments and protocols

Working in sterile environment, BSL2+ lab, waste management

Office pack

English writing and oral communication

Knitting club – Friday Bar Committee

**Grants application (granted 330.000kr in 2023)**

**Member of CVN Steering Committee**

## PROFESSIONAL EXPERIENCES

**2023-Sep PhD Student**



*Aarhus University (DK), Biomedicine Department | Stephan Lange*

- Technical skills (cell culture, bacteria culture, plasmid construction, molecular biology)
- Organizational skills (protocol redaction, lab meetings)
- Communication skills (member of the Cardiovascular Network steering committee)

**2022-23 Research Assistant**



*Aarhus University (DK), Biomedicine Department | Christian Holm*

- Technical skills (developing and optimizing long-PCR ; conventional PCR ; RNA extraction and cDNA production ; western blot and imaging ; SARS-COV-2 experiments ; 222nm UV irradiation ; cell culture, electroporation)
- Organizational skills (protocol redaction, lab meetings, ordering)
- Grants application (received 180.000dk (amount applied for) from Læge Sofus Carl Emil Friis og hustru Olga Doris Friis Legat and 150.000kr (applied for 200.000kr) from Aase og Ejnar Danielsens Fond)

**2022 Research Assistant**



*Aarhus University (DK), Biomedicine Department | Peter Carmeliet*

- Technical skills (preparation of histologic slides via processing, cutting, embedding and mounting ; immunostaining ; routine H&E staining ; PCR and RT-qPCR ; RNA extraction and cDNA production ; DNA extraction ; western blot and imaging ; gel electrophoresis ; cell culture)
- Organizational skills (protocol redaction and improvement of ongoing procedures ; handling and organizing the setting up of a new lab)

**2021 Research Assistant**



*Aarhus University (DK), Clinical Medicine Department | HIV Team*

- Technical skills (PBMC isolation, plasma neutralisation assays, cell culture)
- Publication (Ammitzbøll C., et al. Revaccination of patients with systemic lupus erythematosus or rheumatoid arthritis without an initial COVID-19 vaccine response elicits seroconversion in half of the patients. Clin Exp Rheumatol. 2023 Oct 23. doi: 10.55563)

**2020-21 Medical Laboratory Technician**



*ACCOLAB | LABEXA (FR), COVID-19 Unit*

- Technical skills (samples reception, conservation and inactivation; samples and reagents preparation, RNA extraction, qPCR)
- Organizational skills (protocol redaction and improvement of ongoing procedures ; quality controls, maintenances and proficiency testing ; training and supervision of new technicians ; material and reagents reception, storage, conservation ; setting up of a new workbench)