

ORCID 0000-0003-3926-7514

CONTACT peng@bio.ku.dk

#### EDUCATION

2002 (Feb 15<sup>th</sup>) PhD, University of Copenhagen, Denmark (UCPH)  
1996 (July) Master, University of Paris Sud, France

#### SCIENTIFIC FOCUS AREAS

Virus-host interactions in archaea with particular interest in host immune systems and viral anti-defense mechanisms. Most recent research has been focused on molecular mechanisms of anti-CRISPR proteins and their evolution.

#### POSITIONS

2022- Full Professor, Dept. of Biology, UCPH, DK  
2010-22 Associate Professor, Dept. of Biology, UCPH, DK  
2007-10 Associate Research professor, Inst. of Molecular Biology, UCPH, DK

#### ACADEMIC SERVICES AND POSITIONS OF TRUST, SELECTED

2021 - Assoc Editor (Frontiers Genome Editing Tools and Mechanisms)  
2020 - 21 CRISPR Expert for a US patent interference  
2016 - Editorial board member (Genes; Frontiers in Microbiology)  
2015 - Reviewer/panel member for French National Research Council, Chilian National Research Council, German Research Foundation (DFG)  
2003- reviewer for *Nature* journals, *NAR*, *ASM* journals, *FEMS* journals, *Microbiology*, *Journal of Bacteriology*, *Extremophiles*, *Archaea* etc.

#### RESEARCH LEADERSHIP/MANAGEMENT

2021- Section Head of Functional Genomics, Dept. of Biology, UCPH  
2011-15 Coordinator of an EU FP7 large collaborative project  
2005- Head of 5-15 person research group

#### MAIN FUNDING

2021-25 FNU (PI, 6 M kr)  
2018-23 NNF Hallas-Møller Ascending Investigator (PI, 10 M Kr)  
2017-20 FTP (PI, 2,5 M Kr)  
2015-19 FNU project (Co-PI, share 1,5 of 6 M kr)  
2014-16 EU FP7 Marie-Curie project "HOTRAM" (PI of a postdoc fellowship, 2 M kr)  
2011-15 EU FP7 large collaborative project (Coordinator, share ~6 M of 40 M kr)  
2008-10 University of Copenhagen projects (PI, 1 M Kr)  
2005-08 FNU Steno stipend (PI, 1,8 M Kr)

#### SUPERVISION AND TEACHING

Supervised 24 MSc students, 10 PhD students, 7 postdocs  
PhD opponent/committee chairman (DK, New Zealand, India, China)  
Current teaching: Molecular Biology, Genetics and Biotechnology (MGB); Biosciences; Immunology; Project course in Biochemistry (Essay); Marine Microbiology

#### RECENT OUTREACH

2021 Co-author of Archaea-virus arms race in volcanic hot springs (researchfeatures.com)

2020 Podcast: CRISPR-Cas <https://audioboom.com/posts/7730919-crispr-a-tool-for-human-genome-modification-and-so-much-more>; also available in Lyden af Videnskab <https://audioboom.com/posts/8110278-crispr-fra-en-bakteries-immunforsvar-til-hojteknologisk-gensaks>

#### BIBLIOMETRICS (as of May, 2023)

81 peer-reviewed papers (1 *Nature*, 1 *Cell*, 1 *Nature Microbiology*, 1 *Nature Communications*, 6 *Nucleic Acids Research*, 1 *PNAS*)  
H-index: Google Scholar 33  
Citations: Google scholar 4180  
Published papers as first author: 10; as senior author: 26

#### CURRENT COLLABORATORS

Jeppe Winther, BIO UCPH;  
Christian Hansen  
Qunxin She, Shangdong University, China

Patrizia Contursi, Naples University Federico II, Italy  
Eugeen Koonin, Kira Makarova, NIH, USA