



## PERSONAL INFORMATION

Family name, First name: **CHYMKOWITCH, Pierre**

Date of birth: **27.05.1979**

Nationality: **France**

ORCID ID: <https://orcid.org/0000-0003-1223-1001>

Personal web site: <https://www.ous-research.no/chymkowitch>

Email: [pierrech@ibv.uio.no](mailto:pierrech@ibv.uio.no); [piechy@rr-research.no](mailto:piechy@rr-research.no)

## PUBLICATION METRICS

18 publications since 2004 in Cell, Molecular Cell, Genome Res., PNAS, EMBO J., Nucleic Acids Res., Cell Reports, BBA, BioEssays, J. Biol. Chem., Cell Cycle, Transcription and G3. This includes 1 submitted.

## AUTHORSHIP TABLE

Publications	1 <sup>st</sup> authored	Corresponding author	Supervisor Role	5 years
18	8	5	6	10

## EDUCATION

*2008*    **PhD, Biochemistry and Cellular Biology**  
University of Strasbourg & IGBMC, Illkirch, France.  
PhD supervisor: Prof. Jean-Marc EGLY

*2004*    **Master, Molecular and Structural Biochemistry**  
University of Strasbourg & IGBMC, Illkirch, France.

## RESEARCH / EMPLOYMENT RECORDS

*2020-now*    **Associate Professor – Group Leader**  
Dept. of Biosciences, University of Oslo, Oslo, Norway.

*2018-now*    **Group leader**  
Dept. of Microbiology, Oslo Univ. Hospital, Oslo, Norway.

*2015-2019*    **Co-founder, member of the board of directors & CSO of Hemispherian AS**  
Oslo, Norway

*2013-2017*    **Senior scientist**  
Dept. of Molecular Cell Biology, Institute for Cancer Research, Oslo Univ. Hospital, Oslo, Norway.

*2009-2012*    **Post-doctoral researcher**  
Dept. of Microbiology, Division of Clinical Laboratory Medicine, Oslo University Hospital, Norway & Center for Molecular Biology and Neuroscience (CMBN), Oslo, Norway.

*2005-2008*    **PhD student**  
University of Strasbourg & IGBMC, Illkirch, France. Adviser: J-M Egly.

## FELLOWSHIPS AND GRANTS

- 2020*
- Anders Jahre grant for medical scientists - NOK 60,000
  - Researcher project - The Research Council of Norway - NOK 8,531,000
  - EU support for high-throughput mass spectrometry-based proteomics - Epic-xs - Horizon 2020 program of the EU commission (No fixed amount).

- 2019 Anders Jahre grant for medical scientists - NOK 50,000
- 2017 Anders Jahre grant for medical scientists - NOK 35,000
- 2016
- Researcher grant - Helse Sør Øst - NOK 4,156,000
  - SkatteFUNN Tax Incentive Scheme - NOK 280,000
  - Anders Jahre grant for medical scientists - NOK 35,000
- 2013 Independent research project - The Research Council of Norway - NOK 4,548,000
- 2012 Anders Jahre grant for medical scientists - NOK 30,000
- 2007 Fondation Recherche Medicale (FRM) grant “fin de thèse scientifique” (~21,000 Euros)
- 2004 French ministry of higher education and research “allocation de recherche et de moniteur de l’enseignement supérieur” (~63,000 Euros)

### **INVITED ORAL PRESENTATIONS TO PEER-REVIEWED, INTERNATIONALLY ESTABLISHED CONFERENCES**

- 2017 TORC1-dependent sumoylation of Rpc82 promotes RNAPIII assembly and activity. The Ubiquitin Family. Apr 18-22, 2017, **Cold Spring Harbor Laboratory**, NY, USA.
- 2016 Nutrient availability shapes the Sumo proteome to control tRNA synthesis by RNA polymerase III. OddPols 2016: International Conference on Transcription by RNA Polymerases I, III, IV and V. June 24-27, 2016. **The University of Michigan**, Ann Arbor, MI, USA.
- 2015 Sumoylation of Rap1 mediates the recruitment of TFIID to promote transcription of ribosomal protein genes. The Ubiquitin Family. Apr 21-25, 2015, **Cold Spring Harbor Laboratory**, NY, USA.

### **INVITED LECTURES**

- 2020 Sumo preserves white adipocyte identity by inhibiting the browning transcriptional program. 4<sup>th</sup> Oslo international epigenetics symposium, 16<sup>th</sup>-17<sup>th</sup> of April 2020, Oslo, Norway.
- 2019
- Transcription and chromatin architecture - Regulation by CDKs and Sumo. Institute of Biochemistry and Biophysics-Polish Academy of Science, Warsaw, Poland.
  - Adaptive regulation of transcription and chromatin architecture to maintain cellular homeostasis and identity. University of Oslo, Medical Faculty, IMB, Oslo, Norway.
- 2018
- Centromeres license the mitotic condensation of yeast chromosomes arms. Oslo University Hospital, Radiumhospitalet, Norway, 24<sup>th</sup> of Oct 2018
  - Transcription and chromatin architecture - Regulation by CDKs and Sumo. NTNU, Trondheim, Norway, 24<sup>th</sup> of Sept 2018.
- 2017 Tuning gene expression to the environment: the role of posttranslational modifications of the chromatin landscape. University of Oslo, IBV, Oslo, Norway.
- 2014 Sumoylation of Rap1 mediates the recruitment of TFIID to promote transcription of ribosomal protein genes. Norwegian Genomics Consortium National Meeting 2014, Raumergården Hotel, Oslo, Norway.

- 2008 A deficient expression of androgen responsive genes in Xeroderma pigmentosum cells. FP6 Integrated Project DNA repair, Third Annual Review Meeting, Hilton Rotterdam Hotel, The Netherlands, 16-18 April 2008.

## PRIZES AND AWARDS

- 2015 Oslo University Hospital's prize for best original article. Chymkowitch et al, Genome Research 2015 (6):897:906
- 2014 Oslo University Hospital's prize for best original article. Zimmermann et al, Cell Reports 5 (4), 1036-46

## SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

2010-present 3 post-docs, 2 PhD students; 3 Master students

## MAIN COLLABORATORS

Prof. Yves Barral (ETH, Zürich, Switzerland); Dr. Laszlo Tora (IGBMC, Illkirch, France); **Prof. Anne Dejean (Pasteur Institute, Paris, France)**; Prof. Jo Morris (University of Birmingham, UK); Dr. Stéphanie Le Gras (IGBMC, Illkirch, France); Dr. Ivo Hendriks (University of Copenhagen); Prof. JM. Enserink (Oslo University Hospital, Oslo, Norway); **Prof. Philippe Collas (University of Oslo, Oslo, Norway)**; Prof. Magnar Bjørås (NTNU, Trondheim, Norway); Dr. Marilyn Tirard (MPI, Göttingen, Germany); Prof. Arne Klungland (Oslo University Hospital, Oslo, Norway); **Prof. Bente Halvorsen (Oslo University Hospital, Oslo, Norway)**; **Prof. Kåre Birkeland (Oslo University Hospital, Oslo, Norway)**

## INSTITUTIONAL RESPONSIBILITIES

- 2020 PhD committee. Polish Academy of Science, Warsaw, Poland.
- 2019 2 Master committees. IBV, University of Oslo, Oslo, Norway  
PhD committee. Pasteur Institute, Sorbonne University, Paris, France.  
PhD committee. IGBMC, University of Strasbourg, Illkirch, France.  
PhD committee. IMB, University of Oslo, Oslo, Norway.
- 2018 PhD committee. Polish Academy of Science, Warsaw, Poland.

## COURSES

- 2011 EMBO Laboratory Management Courses. The art of leadership-fewer conflicts, more results. 12-15 June 2011, Heidelberg, Germany.

## EXAMPLES OF LEADERSHIP IN INDUSTRIAL INNOVATION OR DESIGN

Co-founder, member of the board of directors and CSO of Hemispherian AS, Oslo.

I co-founded Hemispherian AS in 2015 and acted as Chief Scientific Officer (CSO) and as member of the board of directors until November 2019. I supervised the development of the project, the daily activities, business development as well as customer care of GenomeStream, which is a web-based platform providing with Next Generation Sequencing and Bioinformatics. We also developed and provided customers with GenomeStrands, which are ssDNA ultramers enhancing the specificity the Crispr Cas9 technology. Finally, Hemispherian Oncology is still conducting pre-clinical trials of small molecules (Patent: GB201901427D0) that are efficient against Glioblastoma multiforme in mice. The company is funded by SKATEFUNN, Innovation Norway, and the Research Council of Norway.