Curriculum vitae – Terje Johansen

PERSONAL INFORMATION

Name: Terje Johansen
Date of birth: June 12th, 1958
Sex: Male
Nationality: Norwegian
Researcher unique identifier(s): ORCID, http://orcid.org/0000-0003-1451-9578
Research ID, N-2971-2015;
Google Scholar, https://scholar.google.no/citations?hl=no&user=7RH8nG0AAAAJ
Web site: https://uit.no/autophagy

- **EDUCATION**

1988 Dr. scient. Degree awarded Dec. 22. 1988.
Faculty of Health Science, Cell Biology Group (CBG), Department of Medical Biology, University of Tromsø – The Arctic University of Norway (hereafter UiT), Tromsø, Norway
1985 Cand. Scient. Faculty of Health Science, CBG, Department of Medical Biology, UiT.

- **CURRENT POSITION(S)**

1991 Professor, Group Leader
Faculty of Health Science, Autophagy Research Group, Dept. of Medical Biology, UiT

- **PREVIOUS POSITIONS**

1990 – 1991 Associate Professor
Faculty of Health Science, Biotechnology Group, Dept. of Medical Biology UiT.

- **FELLOWSHIPS AND AWARDS**

1985 – 1987 Pre-Doctoral Fellow on grant from the Research Council of Norway, Cell Biology, Dept. of Medical Biology, UiT.
1987 – 1988 University Dr. scient. Scholarship, Faculty of Health Science, Cell Biology, IMB, UiT.
1988 – 1990 Postdoc on grant from the Norwegian Research Council, Faculty of Health Science, Virology Group, Dept. of Medical Biolog, UiT.
2014 Research prize/award for 2014 of the Faculty of Health Science, UiT.
2017- Associated member of CanCell Centre of Excellence, UOS/UiO led by Harald Stenmark
2018- International affiliated member of AIM Center of Biomedical Research Excellence led by Vojo Deretic, School of Medicine, University of New Mexico.
2020 Research prize/award for 2020 from UiT The Arctic University of Norway
2021-2023 Highly cited researcher, “cross-field” category, Clarivate ISI Web of Science

- **PROJECT MANAGEMENT EXPERIENCE**

2023-2027 Mitophagy Mechanisms in Cancer Drug Resistance– Norwegian Cancer Society
2021-2025 NASAR: Nanoscopy Applied to Selective Autophagy Research – UiT strategic grant
2018-2021 Regulation of hypoxic responses by selective autophagy – Norwegian Cancer Society
2016-2021 Autophagy-regulated Signalosomes in Cellular Stress and Disease Pathways – Research Council of Norway
2015-2017 Roles of p62/SQSTM1 and LIR-containing proteins in selective autophagy and cell signaling – Norwegian Cancer Society
2012-2015 Selective autophagy and cell signalling: Regulation of p62/SQSTM1 and functional studies of novel LIR-containing proteins - Research Council of Norway
2010-2013 Roles of p62/SQSTM1 and novel ATG8-binding proteins in selective autophagy and cell signaling - Research Council of Norway
2006-2011 Protein aggregation and degradation in aging and disease: Role of polyubiquitination and autophagy - Research Council of Norway
2007-2012 The Proteomics Core Facility at the University of Tromsø as a node in the national consortium of proteomics platforms (NorProteomics) - Research Council of Norway
2001-2007 Top Research program project awarded to Terje Johansen by the Research Council of Norway – (Selected as one of eight scientists in Norway for the TopMed program)
2004-2008 Structure and function of SPBP ePHD: Elucidation of a protein-protien interaction network

involved in gene regulation and DNA replication - Research Council of Norway

1992-2014 Continuous grant support from the Norwegian Cancer Society following annual applications.

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

1992 – 2023 15 Postdocs, 26 PhD students and 32 Master Students – now supervising 3 PhD students Faculty of Health Science, Department of Medical Biology, UiT

- **TEACHING ACTIVITIES**

1991 – Lecturing on Biochemistry and Cell Biology courses for medical, pharmacy and life science students at Faculty of Health Science, UiT.

2000 – Lecturing on cancer and autophagy and arranging the Nordic PhD course "Molecular and Clinical Aspects of Cancer" at UiT.

2013 – Lecturing on a MSc course for life science students on cancer, UiT.

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2013 Co-organizer of the EMBO Conference: Autophagy: Molecular mechanism, physiology and pathology, May 2013, venue Hurtigruten MS Trollfjord, Norway

2021 Organizer of the Nordic Autophagy Society Conference, November 10-12, 2021 in Tromsø

- **INSTITUTIONAL RESPONSIBILITIES**

1991 – Faculty member, Faculty of Health Science, IMB, UiT.

1993 – 1994 Leader of first national committee for appointment of professors in biochemistry and biomedicine based on competence

1992 – Member of several committees for appointment of professors at UiO and UiB.

1992 – Served as opponent (1. or 2.) at 12 doctoral dissertations at UiO, 2 at UiT, one at UiB.

1992 – 2002 Organizer of weekly seminars, Dept. of Medical Biology, UiT.

2001– Leader of the Proteomics and Metabolomics Core Facility (PRiME) at UiT.

2012 – Leader of PhD school Molecular and Clinical Cancer Research, Fac.of Health Science, UiT.

2002 – 2006 Member of the board of the National FUGE Platform for Proteomics, PROBE, UiB.

2007 – 2011 Representative for UiT in the Norwegian Proteomics Consortium during FUGE II

- **COMMISSIONS OF TRUST**

2006 – 2008 Scientific Advisory Board, Department of Molecular Biology, Faculty of Mathematics and Natural Sciences, University of Bergen, Norway.

1992 – 2003 Member of review board of the Norwegian Cancer Society (about 100 applications each year for 12 years)

2000 – Reviewer for the Research Council of Norway, Wellcome Trust Foundation, Medical Research Council, Biotechnology and Biological Sciences Research Council (UK), National Science Foundation (USA), the Israel Science Foundation, Leukemia and Lymphoma Research (UK), Medical Research Council (UK), Deutsche Forschungsgemeinschaft (DFG), Austrian Science Fund and The Research Grant Council of Hong Kong.

2002 – 2011 Reviewer of applications for PhD and Post Doc positions (40-50 appl. each time) to University of Oslo EMBIO program for 5 years

2009 – 2012 Editorial Board member of the journal *Autophagy*

2008 – Referee on a regular basis for a number of high impact journals including *Molecular Cell, Nature Cell Biol*., *Nature Immunology*, *Nature Communications*., *J. Cell Biol*., *PNAS*, *EMBO J*., *EMBO Reports, eLIFE*, *J. Biol. Chem.*, *Cancer Cell*, *Cell Reports*, *Cell Host Microbe*, PNAS, *Mol. Cell. Biol.*, *Mol. Biol. Cell*, *Cell Death and Differentiation, Current Biology, Oncogene*, *Autophagy*, *Science Signalling, J. Cell Science*, Traffic, *Nucleic Acids Res*., *Trends in Biochemical Sciences (TIBS)*, *Trends Cell Biol*., *Exp. Cell Res.*, *Science Signal Transduction Knowledge Environment*, *Mol. Cancer Res.*, *BMC Biology*, *BMC Biochemistry*, *Cancer Prev. Res.*, *Pharmacol. Research*, *Progress in Neurobiology*, *PLOS Biology*, *FEBS J*., *FEBS Lett*.

2013, 2015, 2016,2021 Reviewer of tenure or Chair; University of Dundee, University of Edinburgh, Tsinghua University, Beijing, Babraham Institute, Cambridge, Washington University,University of Minnesota

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2015 – Member of The Royal Norwegian Society of Sciences and Letters (founded 1767)

2014 – Member of the Norwegian Academy of Science and Letters

2012 – Member of Academia Borealis, The Science Academy of Northern-Norway

- **MAJOR COLLABORATIONS**

Vojo Deretic, autophagy, AIM Center of Biomedical Research Excellence, Department of Molecular Genetics and Microbiology, University of New Mexico Health Sciences Center, Albuquerque, USA
Harald Stenmark, autophagy, CanCell Centre of Excellence,Faculty of Medicine, Oslo University Hospital, Oslo, Norway, Department of Molecular Cell Biology, Institute for Cancer Research, Oslo University Hospital, Oslo, Norway.
Andreas Brech, autophagy, same address as Harald Stenmark
Sharon Tooze, autophagy. LIR structures, Francis Crick Institute, London, UK
Ioannis Nezis, autophagy in Drosophila, University of Warwick, UK
Jörn Dengjel, Inflammation repressor TNIP1 and autophagy, University of Fribourg, Switzerland

TRACK RECORD

Publication record: 185 papers excluding doctoral thesis

Publications last ten years: **90** (2014-2023)
Citation reports January 2024 from Google Scholar;
Sum of citations: **52603** (**25004** since 2019),
Average citations per paper: **284**
h-index: **86** *i10*-index: **157**
Number of citations:* ***Google Scholar*

TEN REPRESENTATITVE RESEARCH PAPERS LAST TEN YEARS 2014-2023

Mandell, M.A., Jain, A., Arko-Mensah, J., Chauhan, S., Kimura, T., Dinkins, C., Silvestri, G., Münch, J., Kirchhoff, F., Simonsen, A., Wei, Y., Levine, B., **Johansen, T.** and Deretic, V. 2014. TRIM Proteins Regulate Autophagy and Can Target Autophagic Substrates by Direct Recognition. ***Dev. Cell* 30,** 394-409 *Citations:* ***326***

Ciuffa, R., Lamark, T., Tarafder, A.K., Guesdon, A., Rybina, S., Hagen, W.J., **Johansen, T.** and Sachse, C. 2015. The Selective Autophagy Receptor p62 Forms a Flexible Filamentous Helical Scaffold. ***Cell Rep.* 11,** 748-758 *Citations:* ***206***

Chauan, S., Kumar, S., Jain, A., Ponpuak, M., Mudd, M.H., Kimura, T., Choi, S.W., Peters, R., Mandell, M., Bruun, J.-A., **Johansen, T.#** and Deretic, V. 2016. TRIMs and Galectins Globally Cooperate and TRIM16 and Galectin-3 Co-direct Autophagy in Endomembrane Damage Homeostasis. ***Developmental Cell* 39,** 13-27 *Citations:* ***357***

Bhujabal, Z., Birgisdottir, Å.B., Sjøttem, E., Brenne, H.B., Øvervatn A., Habisov, S., Kirkin, V., Lamark, T. and **Johansen, T.** 2017. FKBP8 recruits LC3A to mediate Parkin-independent mitophagy. ***EMBO Reports*, 18,** 947-961 *Citations:* ***309***

Mejlvang, J., Olsvik, H., Svenning, S., Bruun, J.-A., Abudu, Y.P., Bowitz Larsen, K., Brech, A., Hansen, T.E., Brenne, H., Hansen, T., Stenmark, H. and **Johansen, T.** 2018. Starvation induces rapid degradation of selective autophagy receptors by endosomal microautophagy. ***Journal of Cell Biology.* 217**, *3640-3655 Citations:* ***221***

Princely Abudu, Y., Pankiv, S., Mathai, B.J., Lystad, A. H., Bindesbøll, C., Brenne, H.B., Yoke, Wui Ng M., Thiede, B., Yamamoto, A., Mutugi Nthiga, T., Lamark, T., Esguerra, C.V., **Johansen, T.#** and Simonsen, A. 2019. NIPSNAP1 and NIPSNAP2 Act as "Eat Me" Signals for Mitophagy. ***Dev Cell 49,*** 509-525 Citations: ***115***

Nthiga, T.M., Shrestha, B.K., Sjøttem, E., Bruun, J-A., Bowitz Larsen, K., Bhujabal, Z., Lamark, T., and **Johansen, T. 2020.** CALCOCO1 acts with VAMP-associated proteins to mediate ER-phagy. ***EMBO J.* 39**:e103649. doi: 10.15252/embj.2019103649. *Citations:* ***92***

Nthiga, T.M., Shrestha, B.K., Bruun, J-A., Larsen, K.B., Lamark, T., and **Johansen, T.** 2021. Regulation of Golgi turnover by CALCOCO1-mediated selective autophagy. ***J. Cell Biol.* 220:**e202006128. doi: 10.1083/jcb.202006128. *Citations:* ***33***

Abudu, Y.P., Shrestha, B.K., Zhang, W., Palara, A., Brenne, H.B., Larsen, K.B., Wolfson, D.L., Dumitriu, G., Øie, G.I., Ahluwalia, B.S., Levy, G., Behrends, C., Tooze, S.A., Mouilleron, S., Lamark, T., and **Johansen, T.** 2021. SAMM50 acts with p62 in piecemeal basal- and OXPHOS-induced mitophagy of SAM and MICOS components. ***J. Cell Biol.* 220**: e202009092. doi: 10.1083/jcb.202009092 *Citations:* ***33***

Abudu, Y.P., Kournoutis, A., Brenne, H.B., Lamark, T. and **Johansen, T.** 2023. MORG1 limits mTORC1

signaling by inhibiting Rag GTPases. ***Molecular Cell,*** Dec.15:S1097-2765(23)00968-1. doi: 10.1016/j.molcel.2023.11.023. Online ahead of print.

co-corresponding author *Google Scholar

Three most cited original research papers:

Pankiv, S., Høyvarde Clausen, T., Lamark, T., Brech, A., Bruun, J-A.,Outzen, H., Øvervatn, Bjørkøy, G. and **Johansen, T.** 2007. p62/SQSTM1 binds directly to Atg8/LC3 to facilitate degradation of ubiquitinated protein aggregates by autophagy. ***J. Biol. Chem.*** 282, 24131-24145.

*Citations: **4783****

Bjørkøy, G., Lamark, T., Brech, A., Outzen, H., Perander, M., Øvervatn, A., Stenmark, H. and **Johansen, T.** 2005. p62/SQSTM1 forms protein aggregates degraded by autophagy and has a protective effect on huntingtin-induced cell death. ***J. Cell Biol.***, 171, 603-614.

*Citations: **3482***

Jain, A., Lamark, T., Sjøttem, E., Bowitz Larsen, K., Awuh, J.A., Øvervatn, A., McMahon, M., Hayes, J.D. and **Johansen, T.** 2010. *p62/SQSTM1* is a target gene for transcription factor NRF2 and creates a positive feedback loop by inducing antioxidant response element-driven gene transcription. ***Journal of Biological Chemistry,* 285,** 22576–22591

*Citations: **1371*** *Google Scholar

- **INVITED PRESENTATIONS (peer-reviewed, internationally established conferences)**

1996-Main speaker at the Norwegian Biochemical Society Contact meetings in 1996, 2000 and 2015.
2008-Invited speaker at the Gordon Research Conference on Autophagy in 2008, Ventura, USA.
2009-Invited speaker at the EMBO conferences on Autophagy in 2009 in Ascona, Switzerland.
2010-Invited speaker at the Gordon Research Conference on Autophagy in 2010, Il Ciocco, Italy.
2010- Invited speaker at the Harden conference on autophagy in 2010, Cirencester, UK.
2011- Invited speaker at the British Society for Cell Biology Conference on Cell Biology of Ubiquitin-Dependent Protein Degradation Pathways, 2011, Liverpool.
2012- Invited speaker at the Senri Life Science International Symposium "Cutting-edge of Autophagy Study", Osaka, Japan, January 20th, 2012
2012- Invited speaker at the Beatson International Cancer Conference, "Membrane dynamics in cancer", July 1-4, 2012, Glasgow, Scotland.
2013-Invited speaker at the EMBO conference on Autophagy in Norway.
2014- Invited discussion leader at the Gordon Research Seminar on Autophagy 2014 and selected speaker at the Gordon Conference on Autophagy 2014, Il Ciocco. Italy.
2015- Invited main speaker at "The first UK Autophagy Network Meeting" Univ. Warwick, UK.
2016- Invited main speaker at "Nordic Autophagy Network meeting", Reykjavik, Iceland. Trond Lamark in my group gave my talk because I could not attend due to illness in my family.
2017- Invited speaker at EMBO conference on Autophagy in Cavtat, Dubrovnik, Croatia
Invited speaker at EMBO conference on Autophagy 2013 in Israel and 7th International Symposium on Autophagy 2015, Huangshan, China: Trond Lamark gave the talks in my place at these meetings.
2018- Invited speaker at Ubiquitin & friends symposium 2018, May 4th, Vienna BioCenter, Wien, Austria
2018- Invited speaker, Harden conference on Autophagy- Molecules to Disease II, 3-7 June Warwick, UK
2018- Invited speaker at CanCell Annual meeting, October 25-26th, Asker, Norway
2019- Invited speaker at the Keystone symposium on Autophagy: From Model Systems to Therapeutic Opportunities, February 17—21, Santa Fe, New Mexico USA
2019- Invited speaker at the Babraham Institute, Cambridge, UK, May 23rd. Invitations for 2020 postponed due to the pandemic.
2021-Invited speaker at the BBB webinar, March 18th, The Department of Biomedicine, Univ. of Bergen.
2021-Invited speaker at the LS2 Prestige webinar May 11th, Life Sciences, Switzerland.
2022- Invited speaker at the 10th International Symposium on Autophagy, October 23-27, Sapporo, Japan
2022- Invited speaker international zoom meeting, Mito911, November 30th.
2024- Invited speaker at the Gordon Research Conference on Autophagy in 2024, Il Ciocco, Italy.