**Curriculum Vita**

**Tonette Røstelien**

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**Education:**

**1989:** Ex Phil and Chemistry, University of Oslo.

**1990-1995:** BSc Biology and MSc (Cand.Scient) Comparative Zoo Physiology, Department of Biology, NTNU Trondheim (University of Trondheim).

**1995-2005:** PhD in Neurobiology, Institute of Biology, NTNU Trondheim

MSc and PhD research projects included work exchange (shorter stays) and cooperation at Department of Ecological Chemistry KTH (Royal Institute of Technology), Sweden

**2019 – td:** UHPED-19 (15sp). Pedagogic course (University level)

# **Work Experience:**

**2000-td:** Assistant Professor (100%) Faculty of medicine and health sciences (MH, NTNU), Department of health sciences NTNU Gjøvik (previous Gjøvik University Collage)

**1995 – 2000:** University of Trondheim (NTNU Trondheim), Department of Biology. Teaching and lectures Bachelor and Master Department of Biology. Both assistant and course responsible research and educational laboratories for bachelor and master students, resident supply teacher for Professor Hanna Mustaparta (**1999-2000**).

**2005 – 2011** Inland Norway University of Applied Sciences (INN) Lillehammer, SELL. National Paramedic program (Including course responsibility, Anatomy and Physiology, and Pharmacology for Paramedics)

**2007 – td:** External and Internal (from 2016) Sensor Master of Science (oral exam) at NTNU Trondheim (Department of Biology, Department of Psychology and at the Kavli Institute for Systems Neuroscience)

**2008 – 2017**: External Sensor Østfold University College (HIOF) and Nord Trøndelag University College (HINT), lower degree

# **Administration and management**

# **2018-2019:** Board member representing IHG in project new Study Plan Bachelor Nursing 2020

# **2018:** Leader/Chairperson of the doctoral defense PhD degree in clinical medicine, Faculty of Medicine and Health Sciences (NTNU), candidate Martin Aasbrenn. Title: “Irritable bowel syndrome in subjects with morbid obesity – Observational studies of patients at outpatient clinics

# **2017:** Third opponent and committee administrator PhD degree at The Faculty for Social and Educational Sciences, Department of Psychology, candidate Elena Ian. Title: “Parallel pathways of the moth olfactory system. Morphological and physiological characteristics of the second-order projection neurons”.

**2008-td:** Course responsibility (Emneansvarlig) SPL1004/SPL1004D. Anatomy, Physiology, Biochemistry, Microbiology, Hygiene (14sp)

**2008 – 2016**: Committee Member and vice-chairperson Studienemd Gjøvik University College (phased out per 31.12.16 because of NTNU fusion). Substitute leader 2015. Mandate and purpose: promotion, facilitation and control of Study Quality, including;

* *Annually control of all study programs*
* *Annually major control and revision of selected study programs, see example reports:*

*Røstelien, T., Bakke, H., Knudsen, Aa., Kristiansen, RM., Rui,N (2013): Syklisk evaluering av Bachelor Medieproduksjon, Rapport HiG*

*Dæhlin,G.K., Røstelien,T., Pettersen,H., Hem,H.E., Rui,N. (2010): Syklisk evaluering av MHPCC, Rapport HiG*

* *2009: Studienemnda at Gjøvik University College were awarded by the Ministry of Education and Research (study quality; third prize)*

# **2005 – 2009** Leader of the committee of experts in biomedicine (Medisinsk faglig emnegruppe), at Department of Public Health and Nursing, Gjøvik University College

**2006 - 2007** AU1-medlem (member executive committee), Department of Public Health and Nursing, Gjøvik University College

# **Various Courses of relevance**

**2019:** 5th EU-CARDIOPROTECTION COST Action Meeting from 16-18.09.2019. Oslo University Hospital, Rikshospitalet, Norway

**2016:** PhD-supervisor seminar/course. Arranged by the Human Resources Division, NTNU Trondheim

**2010:** Statistiske beregninger i SPSS – 5 stp, Gjøvik University College

**2008**: Digital innholdsproduksjon for nettbasert utdanning, 5 stp, Gjøvik University College

**2001:** «Kurs for allmennleger, tema Smerte som fenomen», Rikshospitalet

**2000:** Farmakologi i allmennpraksis (Norsk legeforening) 2000, Rikshospitalet

**Foundling, institutional and external acquirements:**

**1995-1999:** PhD grants from Norwegian research council (NFR)

**2019:** Professor qualifying stipend from NTNU

**Academic Publications:**

**Røstelien, T. (2019).** Recognition of Plant Odor Information in Moths. Chapter 3: 49-91. In: *Olfactory Concepts of Insect Control – Alternative to insecticides*. JF. Picimbon (ed.) Springer Nature Switzerland AG ISBN 978-3-030-05164-8, ISBN 978-3-030-05165-5 (eBook) <https://www.springer.com/gp/book/9783030051648>.

Porthun, J; **Røstelien, T** (2016). Arbeidsbok i Anatomi. ISBN 9788281900233 (in Norwegian)

**Røstelien, T**; Stranden, M; Borg-Karlson, A-K; Mustaparta, H (2005). Olfactory Receptor Neurons in Two Heliothine Moth Species Responding Selectively to Aliphatic Green Leaf Volatiles, Aromatic Compounds, Monoterpenes and Sesquiterpenes of Plant Origin. Chemical Senses. 30: 443-461

**Røstelien, T. (2005)**. Functional characterisation of olfactory receptor neurone types in heliothine moths: identification of molecular receptive ranges by the use of single cell recordings linked to gas chromatography and mass spectrometry / Tonette Røstelien NTNU-trykk, Trondheim, Norway. 2005:73. Doctoral Theses

Stranden, M; **Røstelien, T**; Liblikas, I; Almaas, TJ; Borg-Karlson, A-K; Mustaparta, H. (2003) Receptor neurons in three heliothine moths responding to floral and inducible plant volatiles. Chemoecology. 13(3): 143-154.

**Røstelien, T**; Borg-Karlson, A-K; Fäldt, J; Jacobsson, U; Mustaparta, H. (2000). The Plant Sesquiterpene Germacrene D Specifically Activates a Major Type of Antennal Receptor Neuron of the Tobacco Budworm Moth Heliothis virescens. Chemical Senses. 25(2): 141-148.

**Røstelien, T**; Borg-Karlson, A-K; Mustaparta, H. (2000). Selective receptor neurone responses to E-ß-ocimene, ß-myrcene, E,E-a-farnesene and homo-farnesene in the moth Heliothis virescens, identified by gas chromatography linked to electrophysiology. Journal of Comparative Physiology A: Sensory, Neural, and Behavioral Physiology. 186 (9): 833-847.

**Røstelien Tonette** **(1995)** Vertsdufter hos tobakksnoppormen Heliothis virescens: identifisering av vertsplanteproduserte komponenter som aktiverer reseptornevroner, og mekanismer for hvordan informasjonen fra disse kodes. Hovedoppgave i zoologi - Universitetet i Trondheim, 1995 (Cand. Scient. Generell Zoofysiologi, NTNU Trondheim)

**Communication (oral presentations and posters) at Conferences and Seminars**

**2017:** Invited speaker at National Conference arranged by NOKUT (the Norwegian Agency for Quality Assurance in Education).

**2003:** The 8`th European symposium on insect taste and olfaction (8th ESITO), Harstad, Norway. Tonette Røstelien, Marit Stranden, Anna-KarinBorg-Karlsonand Hanna Mustaparta2003 Receptor neuron responses to naturally produced plant volatiles identified in two closely related heliothine moth species. Oral and poster presentation

**1997:** Nineteenth annual meeting of the Association of Chemoreception Sciences (AChems XIX) and the twelfth International Symposium on Olfaction and Taste (ISOT XII) 1997-07-07 - 1997-07-12. US, California, San Diego. Poster presentation.

**1997:** European Symposium for Insect Taste and Olfaction (5th ESITO) 1997-09-20 - 1997-09-26. Italia, Sardinia, Cagliari. Oral presentation.

**1996:** Nordic PhD. course,” Insect Plant relationships” Honne Conference Centre, Biri, Norway, 4-9 November 1996. Oral presentation

1996: Røstelien, T. Borg-Karlson, A-K., Norin. T., Mustaparta, Hanna (1996). *Identification of plant volatiles eliciting responses of single receptor neurons in the cotton budworm moth Heliothis virescens.* International Society of Chemical Ecology. 13th Annual Meeting. Praha. Poster presentation

1996: Røstelien, T. Borg-Karlson, A-K., Norin. T., Mustaparta, Hanna (1996). Identification of plant volatiles eliciting responses of single receptor neurons in the cotton budworm moth Heliothis virescens. International Society of Chemical Ecology. 13th Annual Meeting. Praha ISBN: 80-902130-4-9. Abstract publication

**1995:** The Eight International Symposium on Insect-Plant Relationships (8`th SIP), Gwatt, Switzerland June 1995. Poster presentation.