UNIVERSITÀ DEGLI STUDI DI MILANO

TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type A post-doc fellowship

Linn Samira Mari Evenseth

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Evenseth
Name	Linn Samira Mari
Date of birth	15.04.1989

PRESENT OCCUPATION

Appointment	Structure
15.11.19	PhD

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
PhD	Computational chemistry/molecular modelling	UiT, The arctic University of Norway	2019
MSc	Molecular biotechnology	UiT, The arctic University of Norway	2014
Single subjects	Marketing and commercialization	UiT, The arctic University of Norway	2013
One year course in Basic medical subjects	Medicine	UiT, The arctic University of Norway	2009

Università degli Studi di Milano - Divisione Stipendi e Carriere del Personale
Ufficio Contratti di formazione e Ricerca
Via Sant'Antonio 12 - 20122 Milano, Italia
Assegni.postdoc@unimi.it

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
2013	Helix -Organization for Biotechnology and Life Sciences	Tromsoe

FOREIGN LANGUAGES

Languages	level of knowledge
Norwegian	Native
Swedish	Proficient/Fluent
English	Proficient/Fluent

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2017	Scholarship for international research purposes

TRAINING OR RESEARCH ACTIVITY

PhD period

Title thesis:
Ligand binding and dynamics of the GABAB receptor Venus flytrap domain

- Training in molecular dynamics and enhanced sampling to study dynamics of the $GABA_B$ receptor and energy associated with conformational changes under supervision of Prof. Andrea Cavalli, Laboratory of Computational Medical Chemistry, Bologna, Italy.
  - Research stay: August-December 2017, March 2019, with continuous collaboration.

- Applying structure-based drug design (Docking, Scoring, e-Pharmacophores, MM-GBSA and LIA/LIE (QSAR) in a virtual screening workflow to discover novel compounds targeting orthosteric $GABA_B$ receptor, in addition to *in silico* site-directed mutagenesis and homology modelling and *in vitro* establishment of cAMP assay for measuring ligand binding under supervision of Prof. Ingebrigt Sylte and Mari Gabrielsen, Molecular pharmacology and Toxicology, UiT. 2014 – present.

- Training in and application of ligand-based drug design (fingerprinting, clustering and pharmacophore modelling) and filtering procedures (ADMET) as the first step of a virtual screening protocol to identify $GABA_B$ ligands in collaboration with Prof. Andrzej Bojarski, Institute of Pharmacology, Krakow, Poland.
  - Multiple research stays lasting up to 1 month from 2014, with continuous collaboration.

MSc period

Title thesis:
Structure, function and ligand interactions of the ecdysone receptor from Daphnia magna

Università degli Studi di Milano - Divisione Stipendi e Carriere del Personale
Ufficio Contratti di formazione e Ricerca
Via Sant'Antonio 12 - 20122 Milano, Italia
Assegni.postdoc@unimi.it

- Training in structure-based drug design and filtering procedures in Toxicology; Homology modelling of the Ecdysone receptor from *D.magna*, docking and virtual screening of endocrine disrupting chemicals. 2013-2014.

- Establishment of a two-hybrid assay for *In vitro* testing of *in silico* predictions of interactions between the ecdysone receptor and small molecules under supervision of senior scientist Knut-Erik Tollefsen, Norwegian institute of water research, Oslo, Norway.
  - Research stay: April 2014, with continuous collaboration.

- Training in performance of a two-hybrid assay for *In vitro* testing of *in silico* predictions of interactions between the ecdysone receptor and small molecules under supervision of Prof. Taisen Iguchi, National Institute of Basic Biology, Okazaki, Japan.
  - Research stay: Mars 2014.

- Screening of antimicrobial peptides collected from the ocean for usage in cosmetic products, Scandiderma, Tromsø. June-August 2013.

Related Professional experience

- Supervision of 4 undergrad- and 1 graduate students (2015 – present)
- Supervision of 2 students with summer scholarship (2016 – 2017)
- Lecturing:
  - The graduate subject Toxicology; Endocrine disrupting chemicals and skin toxicology (annually since 2015-)
  - Laboratory exercise for graduate students in molecular modelling: Studies of enzyme inhibition by visual investigation of crystal structures co-crystalized with inhibitors and docking (2015-2016)
  - Laboratory lections in protein properties and methods for studying protein properties and colloquium in basic medicine for first year medical students (2015)
- Founder of the student organization: Helix – Organization for Biotechnology and Life Sciences (2013)

PROJECT ACTIVITY

Year	Project
2013-2019	Adverse Outcome Pathways for Endocrine Disruption in Daphnia magna, a conceptual approach for mechanistically-based Risk assessment (EDRISK)
2015-2019	EXtention of academia-based PLATFORM to antidepressant hits discovery (PLATFORMex)

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
Mar 2019	MD today	Bologna, Italy

Dec 2017	GPCR workshop	Kona, Hawaii
Mar 2016	Glisten Symposium	Porto, Portugal
Sep 2016	VIII Conversatory on Medical Chemistry	Lublin, Poland
Jun 2016	Summer School in Cheminformatics	Strasbourg, France

PUBLICATIONS

Articles
In Silico site-directed mutagenesis of the Daphnia magna ecdysone receptor identifies critical amino acids for species-specific and inter-species differences in agonist binding, Comp. Tox. 2019 Jun; 100091
Exploring the overlapping binding sites of ifenprodil and EVT-101 in GluN2B containing NMDA receptors using novel chicken embryo forebrain cultures and molecular modelling. Pharmacol Res Perspect. 2019 Jun; 7(3): e00480
In Silico methods for discovery of orthosteric $GABA_B$ receptor compounds. Molecules 2019 Jan; 24(5), 935
In silico site-directed mutagenesis informs species-specific predictions of chemical susceptibility derived from the Sequence Alignment to Predict Across Species Susceptibility (SeqAPASS) tool. Toxicol Sci. 2018 Nov;166(1):131-145.
Release of chitobiase as an indicator of potential molting disruption in juvenile Daphnia magna exposed to the ecdysone receptor agonist 20-hydroxyecdysone. J Toxicol Environ Health A. 2017 Sep; 80(16-18):954-962
Whole-Organism Transcriptomic Analysis Provides Mechanistic Insight into the Acute Toxicity of Emamectin Benzoate in Daphnia magna. Environ Sci Technol. 2016 Oct; 1;50(21):11994-12003
Integrating computational modelling of receptor binding into mechanistically based risk assessment for endocrine disruptors. Toxicology Letters (2014); 229: S162-S163.

OTHER INFORMATION

Courses:

- 2 weeks intensive course in radiation
- 5 months Advanced method in experimental biomedicine; PCR, RT-PCR, cloning, flow cytometri, SDS-PAGE, DNA isolation, GST-pulldown assay, mass spectroscopy etc.

Post-graduate courses

- Biomolecular modeling 2 weeks intensive course in MD and free energy calculations
- Structure guided drug discovery and design
- General and Scientific Research Communication
- Research Ethics and Theory of Science
- Quantitative Research methods

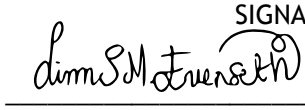
Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Università degli Studi di Milano - Divisione Stipendi e Carriere del Personale
Ufficio Contratti di formazione e Ricerca
Via Sant'Antonio 12 - 20122 Milano, Italia
Assegni.postdoc@unimi.it

Place and date: 22.11.2019 / Tromsoe

SIGNATURE



Università degli Studi di Milano - Divisione Stipendi e Carriere del Personale
Ufficio Contratti di formazione e Ricerca
Via Sant'Antonio 12 - 20122 Milano, Italia
Assegni.postdoc@unimi.it