

## Curriculum Vitae

Personal information Rita Chan Andersen

### Work experience

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10-2024 - present

- Pharmacovigilance officer at Danish Medicines Agency, Denmark
- Working with pharmacovigilance EU

06-2019 - 09-2024

- Postdoc position at the Department of Neuroscience, University of Copenhagen, Denmark
- Research within the crossfield of metabolism and the nervous system using diet induced obese mice
- research within autophagy related degradation in beta-cells

07-2018 - 09-2018

- Research assisent at the Department of Neuroscience, University of Copenhagen, Denmark
- Continued my research work from my PhD thesis

07-2015 - 06-2018

- PhD student at the Department of Neuroscience, University of Copenhagen, Denmark
- working on the role of Protein Interacting with C kinase 1 on insulin granule biogenesis and characterizing the *in vivo* phenotype of a beta-cell specific knockout mice line.
- research within autophagy related degradation in beta-cells

### Education and training

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08- 2012- 01-2015

Master degree in Human biology from the Faculty of Health and Medical Sciences, University of Copenhagen, Denmark

Master thesis project: The role of PICK1 in insulin granule biogenesis

Courses:

- Molecular biology, genetics and advanced cell biology
- Human anatomy and system physiology
- Immunology and general microbiology
- Human pathophysiology
- Pharmacology and toxicology
- Radioactive isotopes and ionizing radiation (certificate)
- Statistics and data analysis
- Laboratory animal science (FELASA C certificate)
- Translational pharmacology
- Intellectual property rights

08-2009 - 06-2012

Bachelor degree in Biology from the Faculty of Science, University of Copenhagen,

Bachelor project: *In vitro* characterization of valproic acid and the VPA-derivatives R- and S-4-pentanoic acid

Courses:

- Diversity of organisms - the tree of life
- Population biology
- Mathematical analysis and statistics
- General ecology
- Chemistry for biologists
- General biochemistry
- Field biology I, II and III
- General microbiology
- General cell biology
- Human physiology
- General molecular biology
- Theory of science for biologists
- Evolution biology
- Immunology
- Pathology and pharmacology
- Zoophysiology
- Gene technology
- Cellular neuroscience

## Additional information

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### Publications

[An atlas of GPCRs in dopamine neurons: Identification of the free fatty acid receptor 4 as a regulator of food and water intake.](#)

Apuschkin M, Burm HB, Schmidt JH, Skov LJ, **Andersen RC**, Bowin CF, Støier JF, Jensen KL, Posselt LP, Dmytriyeva O, Sørensen AT, Egerod KL, Holst B, Rickhag M, Schwartz TW, Gether U. Cell Rep. 2024 Jul 23;43(7):114509. doi: 10.1016/j.celrep.2024.114509. Epub 2024 Jul 13. PMID: 39003735 Free article.

[Targeting postsynaptic glutamate receptor scaffolding proteins PSD-95 and PICK1 for obesity treatment.](#)

Fadahnsi N, Petersen J, Metz S, Jakobsen A, Vad Mathiesen C, Silke Buch-Rasmussen A, Kurgan N, Kjærgaard Larsen J, **Andersen RC**, Topilko T, Svendsen C, Apuschkin M, Skovbjerg G, Hendrik Schmidt J, Houser G, Elgaard Jager S, Bach A, Deshmukh AS, Kilpeläinen TO, Strømgaard K, Madsen KL, Clemmensen C. Sci Adv. 2024 Mar;10(9):eadg2636. doi: 10.1126/sciadv.adg2636. Epub 2024 Mar 1. PMID: 38427737 Free PMC article.

[PICK1-Deficient Mice Maintain Their Glucose Tolerance During Diet-Induced Obesity.](#)

Backe MB, **Andersen RC**, Jensen M, Jin C, Hundahl C, Dmytriyeva O, Treebak JT, Hansen JB, Gerhart-Hines Z, Madsen KL, Holst B. J Endocr Soc. 2023 May 16;7(6):bvad057. doi: 10.1210/jendso/bvad057. eCollection 2023 May 5. PMID: 37200849 Free PMC article.

[Coding variants identified in patients with diabetes alter PICK1 BAR domain function in insulin granule biogenesis.](#)

**Andersen RC**, Schmidt JH, Rombach J, Lycas MD, Christensen NR, Lund VK, Stapleton DS, Pedersen SS, Olsen MA, Stoklund M, Noes-Holt G, Nielsen TT, Keller MP, Jansen AM, Herlo R, Pietropaolo M, Simonsen JB, Kjærulff O, Holst B, Attie AD, Gether U, Madsen KL. J Clin Invest. 2022 Mar 1;132(5):e144904. doi: 10.1172/JCI144904. PMID: 35077398 Free PMC article.

[Rab2 drives axonal transport of dense core vesicles and lysosomal organelles.](#)

Lund VK, Lycas MD, Schack A, **Andersen RC**, Gether U, Kjærulff O. Cell Rep. 2021 Apr 13;35(2):108973. doi: 10.1016/j.celrep.2021.108973. PMID: 33852866 Free article.

[An Amphipathic Helix Directs Cellular Membrane Curvature Sensing and Function of the BAR Domain Protein PICK1.](#)

Herlo R, Lund VK, Lycas MD, Jansen AM, Khelashvili G, **Andersen RC**, Bhatia V, Pedersen TS, Albornoz PBC, Johnner N, Ammendrup-Johnsen I, Christensen NR, Erlendsson S, Stoklund M, Larsen JB, Weinstein H, Kjærulff O, Stamou D, Gether U, Madsen KL. Cell Rep. 2018 May 15;23(7):2056-2069. doi: 10.1016/j.celrep.2018.04.074. PMID: 29768204 Free article.

### Projects

### Memberships

### Other Relevant Information