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Qualifications

Medicinal Chemistry, MSc
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Pharmacy, BSc

Employment

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København Ø
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Medicinal Chemistry Research
København Ø, Denmark
1 Aug 2019 → 14 Feb 2020

Research Assistant
Department of Drug Design and Pharmacology
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Publications

Bitopic Ligands Support the Presence of a Metastable Binding Site at the β_2 Adrenergic Receptor
Gaiser, B. I., Danielsen, Mia, Xu, X., Røpke Jørgensen, K., Fronik, P., Märcher, Emil, Wróbel, T. M., Liu, X., Mathiesen, Jesper M. & Sejer Pedersen, D., 2024, (Accepted/In press) In: Journal of Medicinal Chemistry.

Discovery and Structure-Activity Relationships of 2,5-Dimethoxyphenylpiperidines as Selective Serotonin 5-HT_{2A} Receptor Agonists
Märcher, Emil, Jensen, Anders A., Smits, G., Frydenvang, Karla Andrea & Kristensen, Jesper Langgaard, 2024, In: Journal of Medicinal Chemistry. 69, 9, p. 7224–7244

In Vitro and In Vivo Evaluation of Pellotine: A Hypnotic Lophophora Alkaloid
Poulie, C. B. M., Chan, C. B., Parka, A., Lettorp, M., Vos, J., Raaschou, A., Pottie, E., Bundgaard, M. S., Sørensen, L. M. E., Cecchi, C. R., Märcher-Rørsted, E., Bach, A., Herth, M. M., Decker, A., Jensen, A. A., Elfving, B., Kretschmann, A. C., Stove, C. P., Kohlmeier, K. A., Cornett, C. & 3 others, Janfelt, Christian, Kornum, Birgitte Rahbek & Kristensen, Jesper Langgaard, 2023, In: ACS Pharmacology & Translational Science. 6, 10, p. 1492-1507

Introducing Conformational Restraints on 25CN-NBOH: A Selective 5-HT_{2A} Receptor Agonist

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Erythrina Alkaloid Analogues as nAChR Antagonists-A Flexible Platform for Leads in Drug Discovery

Clementson, S., Matheu, S. A., Marcher, Emil, Pedersen, H., Jensen, Anders A., Clausen, Rasmus Prætorius, Vital, P., Glibstrup, E., Jessing, M. & Kristensen, Jesper Langgaard, 2021, In: The Journal of Organic Chemistry. 86, 12, p. 8248-8262

Biased agonism of clinically approved μ -opioid receptor agonists and TRV130 is not controlled by binding and signaling kinetics

Pedersen, M. F., Wrobel, T. M., Marcher, Emil, Pedersen, D. S., Møller, T. C., Gabriele, F., Pedersen, H., Matosiuk, D., Foster, S. R., Bouvier, M. & Bräuner, Hans, 2020, In: Neuropharmacology. 166, 13 p., 107718.

Investigation of the 2,5-dimethoxy motif in phenethylamine Serotonin 2A receptor agonists

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The selective 5-HT_{2A} receptor agonist 25CN-NBOH: structure-activity relationship, in vivo pharmacology, and in vitro and ex vivo binding characteristics of [³H]25CN-NBOH

Jensen, Anders A., Halberstadt, A. L., Marcher, Emil, Odland, Anna Ulstein, Chatha, M., Speth, N., Liebscher, G., Hansen, M., Bräuner, Hans, Palner, M., Andreasen T., Jesper & Kristensen, Jesper Langgaard, 2020, In: Biochemical Pharmacology. 177, 16 p., 113979.

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Structure-activity-relationship study of N-acyl-N-phenylpiperazines as potential inhibitors of the excitatory amino acid transporters (EAATs): Improving the potency of a micromolar screening hit is not truism

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