Artificial Intelligence for *de novo* drug discovery

Welcome to the latest edition of our newsletter

Iktos newsletter is back with new content and latest updates for our readers: webinar, articles, videos and more...see what we have in store for you this quarter!

Spaya Video

Interested in finding the best synthetic routes to your compounds? Watch our latest video on Spaya: Iktos's AI-powered retrosynthesis tool: https://iktos.ai/spaya-overview/

Learn more about Spaya here: https://iktos.ai/spaya/

Makya Webinar

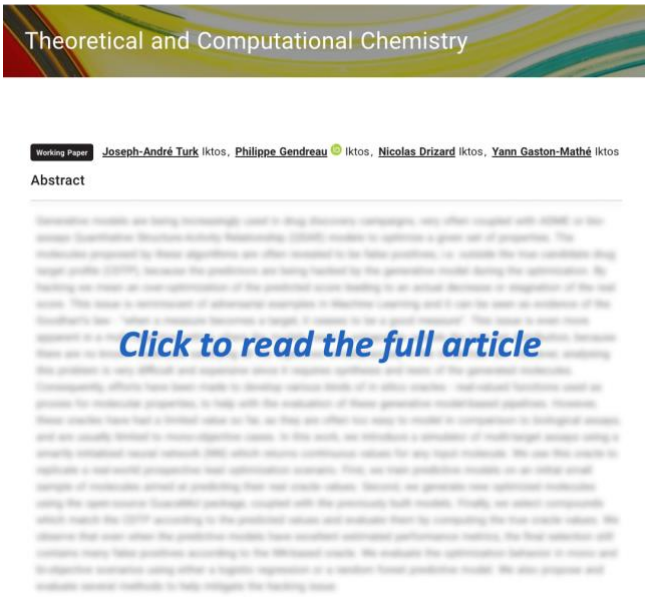
Our CSO, Dr. Quentin Perron and VP, Head of BD- EU, RoW Dr. Sree Vadlamudi presented a webinar on 'Makya™: Iktos technology platform for AI-driven *de novo* drug design and multi-parametric optimization' on 13th September 2022. Follow the link to access the recording if you missed the webinar: https://iktos.ai/makya-webinar-2022/

Learn more about Makya here: https://iktos.ai/makya/

Latest publication

Our research paper on 'A molecular assays simulator to unravel predictors hacking in goal-directed molecular generations' was published by ChemRxiv.
Follow the link to read the full paper: https://iktos.ai/2022/06/13/a-molecular-assays-simulator-to-unravel-predictors-hacking-in-goal-directed-molecular-generations/

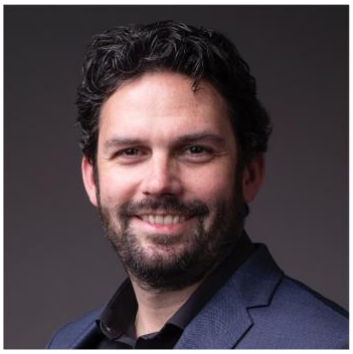
ChemRxiv™



Blog

In this blog, Dr. Sree Vadlamudi, Vice President, BD- EU & RoW, Iktos, talks about how we can adopt AI to help foster productivity within pharmaceutical research, as well as the current challenges faced by the drug discovery sector. Read the full interview here: https://iktos.ai/2022/08/26/using-ai-to-foster-productivity-in-pharmaceutical-research-and-development/

Profile of the month: Christopher Houssemann, Head of Medicinal Chemistry Iktos



Christopher is the Head of Medicinal Chemistry at Iktos. With a Ph.D. in organic synthesis from ICSN-Gif-sur-Yvette and over 12 years of experience in several blue-chip pharma companies, he is leading a team of talented scientists, dedicated towards finding the next breakthrough drug.

Christopher started his career as a pure organic chemist, but thanks to his medchem mentors, got drawn towards medicinal chemistry. Over the years, he realized the need to explore wider chemical space, improve quality of designed molecules and use cutting-edge technology to accelerate drug discovery. Working as a medicinal chemist allows him to be within reach of

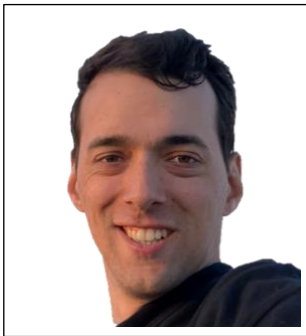
different disciplines, such as chemistry (back to the basics), biology, structure based, DMPK and pharmacology. It is the ability to innovate and solve complex projects that he enjoys the most about his job. At the end of the day, finding a new drug candidate that would benefit mankind is a rewarding satisfaction.

Outside of work, Christopher enjoys diving and swimming in the deep blue sea. He is also a talented photographer, fascinated by how different the world looks through the lens of his camera. With a simple motto of “full speed ahead and never give up, love will make the rest”, Christopher starts his day with a big smile on his face!

Newest Additions to the Iktos Family

We are thrilled to welcome the newest members of the Iktos family. Their skills and experiences are a great asset to the company, and we wish them all the best in their new roles!

Ronan Lami
Chief Operating Officer



Vincent Bouttier
Senior Data Scientist

Thibaut Danvers
DevOps Engineer

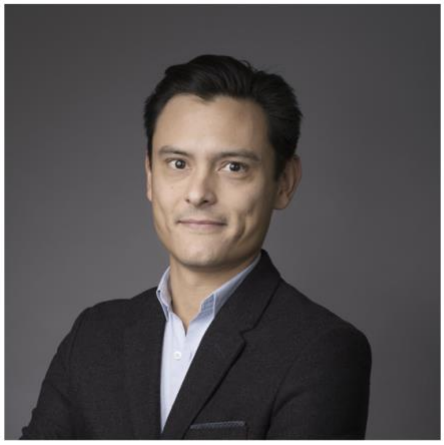
Victoire Cachoux
Application Scientist, Japan

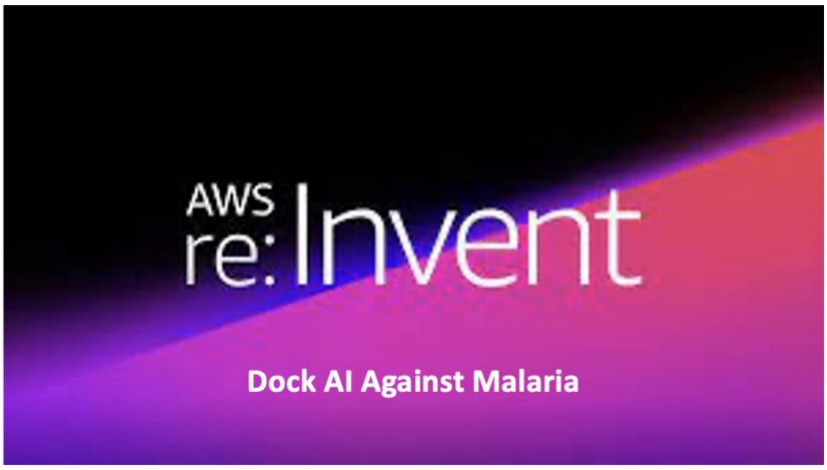
Nikolaii Lodenos
Software Developer Full stack

Benjamin Bouillet
Dev Ops Engineer

AWS re:Invent 2022

Our Co-founder and CTO, Dr. Nicolas Do Huu will be giving a talk on 'Dock AI Against Malaria' on 30th November at the AWS re:Invent 2022 conference in Las Vegas. Follow the link to the conference: https://reinvent.awsevents.com/





Upcoming Conferences

You can also catch us at the following events next quarter:

- Boulder Peptide Symposium: Colorado, USA; 7th-10th November 2022
- 7th Annual Drug Discovery Summit: Madrid, Spain; 16th- 17th November 2022

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