

AI IN DRUG DESIGN

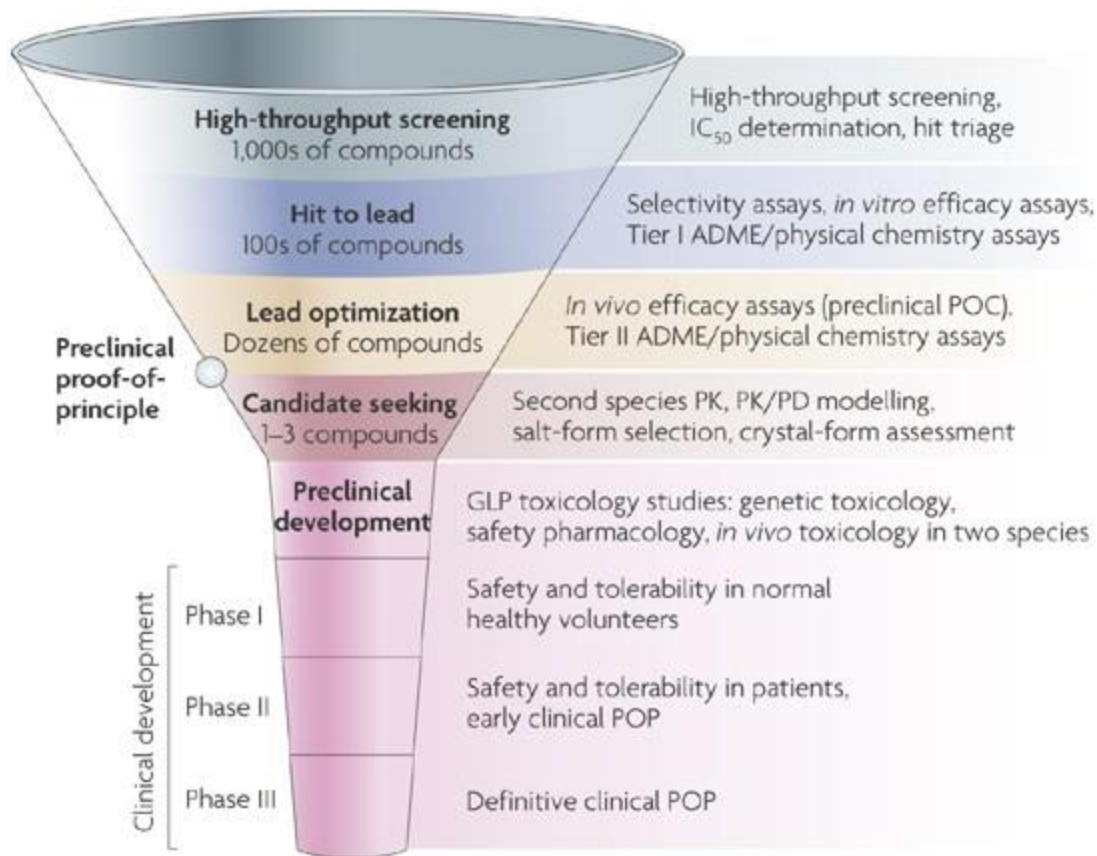
A FASTER PATH TO THERAPEUTICS

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DRUG DISCOVERY

- 10-15 years
- ~€2.5b R&D
- 10% success rate
- Now with AI, high throughput screening phase can be reduced from 2 years to 2 months.




NEW DRUGS WITH AI

We are a team of academics based in Türkiye, working on **AI-powered drug discovery**.

What we do:

- High-throughput screening of molecules at **billion scale** on GPU clusters for various protein targets.
- **Large language models** for prediction of binding score and druglike properties.
- Generative models for *de novo* drug design.



The background of the slide is a server room with blue lighting. A network overlay graphic, consisting of blue nodes and connecting lines, is superimposed on the scene. The server racks are visible in the background, and the overall atmosphere is high-tech and digital.

We are seeking:

- Partners with expertise in wet-lab validation and clinical trials.
- Consortia focusing on patentable small molecules and novel target discovery.
- Collaborations to advance AI-driven, in silico drug discovery pipelines.

Our Contribution:

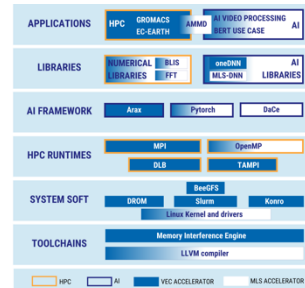
- AI pipelines for virtual screening and hit identification at billion molecules scale.
- Expertise in building and fine-tuning molecular property prediction models.
- Computational big data infrastructure and software development for drug discovery projects.

ONGOING EU PROJECTS

THE EUPiLOT



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We are proudly supported by EuroHPC and FFPlus for our project:
On Device AI Agents: Revolutionizing Real-time API Interactions with Privacy Preserving Intelligence



AI4SWeng: AI automation of software tools



Funded by
the European Union

LET'S DISCUSS OPPORTUNITIES

ARTIFICAX
TECHNOLOGIES

Boğaziçi Teknopark,
Kuzey Kampüs,
İstanbul, Türkiye

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