



Plebiotic

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# Drug Design, Drug Repositioning & Virtual Screening

R&D&i/Sales partners



# Drug Design and Protein Research

## Innovation for Pharma, Bio-food, Agriculture & Cosmetics

Plebiotic has a strong Biology and Computer Science R&D&i team that has created a proprietary platform for Drug Design, Drug Repositioning and Virtual Screening. In combination with a high biotechnological expertise and deep customer commitment, we can help you in the early stages of the design, repositioning and testing of your drug candidates.

Plebiotic serves customers, worldwide, devoted to:

- Oncology
- Cardiovascular diseases
- Enzymes design
- Neurodegenerative diseases
- Bio-food

### Services offered:

- Drug Design/re-Design
- Drug Repositioning
- Ligand-based Virtual Screening
- Structure-based Virtual Screening
- Library Generation & Management
- Homology Modeling
- Molecular Docking
- Molecular Dynamics
- Enzymes Design
- In-vitro Screening
- Bio-Computer Science Consulting

### Products:

- Molecular Dynamics
- Reverse Docking
- Pharmacophores
- ADME/Toxicity
- Library Generation
- Homology Modeling

### Plebiotic differential aspects:

- Cost savings: 50% reduction compared to standard techniques
- Time savings: Up to 2 years savings for drug discovery/preclinical
- Success rates: 80% - 90%