

**Job Title:** Bioinformatician for In Silico Drug Repositioning

**Company:** NovaMechanics Ltd.

**Location:** On Site, Athens Greece

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### **About NovaMechanics:**

NovaMechanics Ltd. ([www.nocamechanics.com](http://www.nocamechanics.com)) is a pioneering company specializing in computational drug discovery and bioinformatics solutions. We leverage cutting-edge computational methodologies to accelerate the identification and development of novel therapeutics. Our multidisciplinary team collaborates globally to make significant impacts on healthcare.

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### **Position Overview:**

We are seeking a highly skilled Bioinformatician to join our research team. The successful candidate will lead efforts in in silico drug repositioning to identify potential therapeutics across various disease areas. This role involves integrating omics data, network pharmacology, text mining, and structure-based methodologies to prioritize compounds for clinical testing.

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### **Key Responsibilities:**

- **In Silico Drug Repositioning:** Identify potential therapeutic compounds using computational approaches across multiple diseases.
  - **Enzyme Target Identification:** Rationally identify chemical compounds that can modulate enzymes involved in the mechanisms of action of existing drugs.
  - **Network Pharmacology Analysis:** Conduct protein-target interaction studies to facilitate drug repositioning efforts.
  - **Text Mining:** Utilize text mining tools to extract relevant information from scientific literature for drug repositioning.
  - **Integrated Omics Analysis:** Analyze and interpret genomics, proteomics, and metabolomics data to identify novel drug targets.
  - **Compound Prioritization:** Integrate data from multiple sources to prioritize compounds for clinical testing using omics, structure-based methods, text mining, and network pharmacology.
  - **Collaboration:** Work closely with cross-functional teams, including chemists, biologists, and data scientists, to advance project goals.
  - **Reporting:** Prepare detailed reports and presentations to communicate findings to internal teams and external stakeholders.
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## Qualifications:

- **Education:** Ph.D. or Master's degree in Bioinformatics, Computational Biology, Systems Biology, or a related field.
  - **Experience:**
    - Proven experience in in silico drug discovery and repositioning projects.
    - Strong background in network pharmacology and protein interaction networks.
    - Experience with text mining and natural language processing in a biomedical context.
    - Proficiency in analyzing integrated omics datasets.
  - **Technical Skills:**
    - Proficient in programming languages such as Java, Python, R, or Perl.
    - Experience with bioinformatics tools and biological databases.
  - **Soft Skills:**
    - Excellent analytical and problem-solving abilities.
    - Strong communication skills, both written and verbal.
    - Ability to work collaboratively in a team environment.
    - Detail-oriented with strong organizational skills.
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## Preferred Qualifications:

- Experience in drug repositioning research.
  - Familiarity with clinical trial design and regulatory requirements.
  - Publications in reputable scientific journals related to drug repositioning or bioinformatics.
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## What We Offer:

- Competitive salary and benefits package.
  - Opportunity to work on impactful projects in a dynamic and innovative environment.
  - Professional development and career growth opportunities.
  - Collaborative and supportive team culture.
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## How to Apply:

Interested candidates should submit the following:

- A recent resume/CV.
- A cover letter detailing your relevant experience and interest in the position.
- Contact information for at least two professional references.

Please send your application materials to **hr [at] novamechanics [dot] com** with the subject line "Bioinformatician Application – [Your Name]".

**Application Deadline:** 11/10/2025