

**Ardigen**

**Artificial Intelligence  
& Bioinformatics  
for Precision Medicine**

# Bringing Our Visionary Approach to Data-Driven Drug Discovery Process

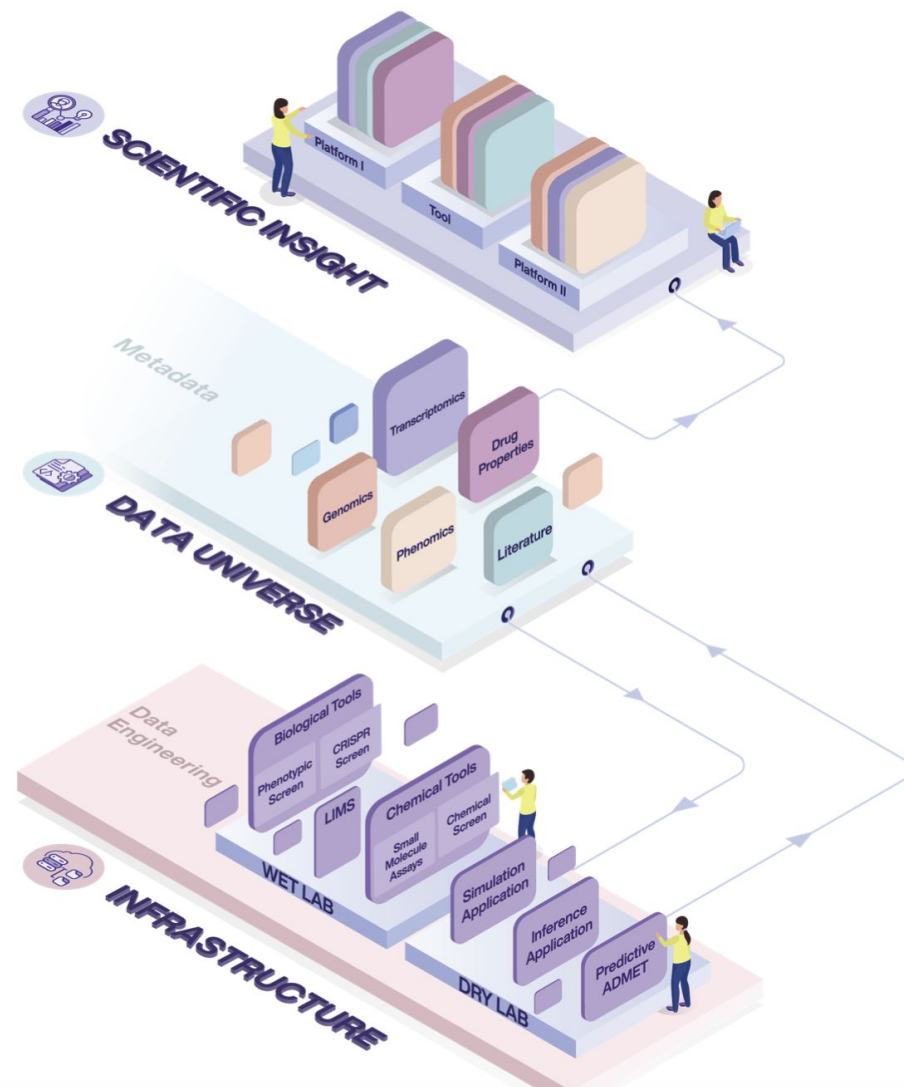
Ardigen

## Ardigen enables digital transformation for biotechs and pharmas to leverage the full potential of data

The current and future suite of Platforms augments your decision making by providing **actionable insights** at the Drug Discovery Process stages to accelerate your programs. Those in silico derived insights, validated in laboratories, can increase your success in the subsequent steps of the drug discovery funnel.

The core of the tripartite system constitutes the **Data Universe**. This collection of highly diverse, multi-dimensional and highly relatable datasets originating from a multitude of biological and chemical experiments provides the source of the insights for the Scientific Insights Layer. By cataloguing the data modalities with the accompanying metadata descriptors, the expandable Data Universe can accumulate more datasets in the future.

The foundation of the Data Universe is composed of the **Infrastructure** Layer. The ground source of the biological and chemical data, together with the accompanying software, enabling efficient data capture.



# We Increase the Likelihood of Success and Accelerate Your Drug Discovery Process

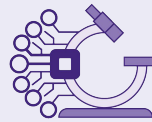
Ardigen

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*We envision a future where the delivery of drugs with high-potential to the clinic takes a much shorter time. This can be achieved by creating a system where the failures in the discovery funnel are identified and addressed much earlier, and therefore, increasing the chances of success in the subsequent stages. The core success of this type of holistic approach lies in testing many hypotheses and deriving the insights at the very beginning of the Drug Discovery process.*

**Janusz Homa**  
CEO

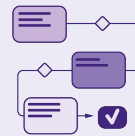
## Why Ardigen?



**We have a deep understanding of scientific challenges in the Drug Discovery process and translate them into computational solutions**



**Our multidisciplinary team of experts harness the synergy of life sciences and computational competencies**



**We have delivered 300+ successful projects on-time**

**At the heart of everything we do, there are our Core Values:**

**Trust**

**Knowledge**

**Persistence**

**Quality**

# Discover Our Cutting-Edge Services and Accelerate Your Drug Discovery Process

**Ardigen**



# Experience Our Solutions Through Real-World Case Studies



# Client Satisfaction is Our Top Priority

**Ardigen**



*What started as a pilot project many years ago turned into a trusted broad collaboration between Ardigen and BI. Ardigen substantially contributed to several of our key projects, enabling us to significantly ramp up the scope of what we can achieve.*

**Markus Bauer, PhD**

Global Computational Biology and Digital Sciences,  
Therapeutic Area Oncology at Boehringer Ingelheim



*At Atreca, Ardigen has established themselves as a comprehensive, service providing, and multi-disciplined team that manages all aspects of our informatics needs. We have been impressed with their flexibility to grow teams and add new specializations on-demand, and at a reasonable cost.*

**Gregg Espiritu Santo**

Senior Director of Informatics Systems at Atreca



*Ardigen has been a trusted partner to Alchemab for several years, helping us to accelerate our key software projects. Ardigen works seamlessly alongside our internal team, and we are always impressed by the quality of the work delivered.*

**Jake Galson, PhD**

CTO at Alchemab

Based on the CSAT Survey 2022 our customers appreciate us for:

**Ardigen**

High quality of service

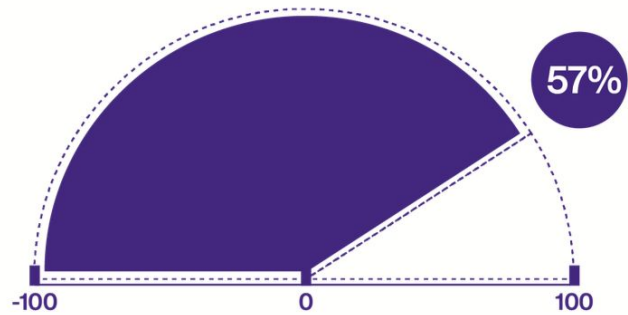
Collaborative approach

Competent and committed staff with research background

On-time delivery

Net promoter score:

Client satisfaction rating: 8.9/10



# Ardigen is Recognized as a Leader of the Global AI in Drug Discovery Market

**Ardigen**



JUMP-CP Consortium

As a supporting partner for the Joint Undertaking in Morphological Profiling-Cell Painting (JUMP-CP) Consortium, we are contributing our technology and expertise to strengthen the efforts of the Consortium.

Consortium members include 10 of the most well-known and successful pharmaceutical companies:

Amgen	Biogen	Merck KGaA	Takeda
AstraZeneca	Eisai	Pfizer	
Bayer	Janssen	Servier	

**300+**

Projects

**50+**

Partners

**13**

Big Pharmas

**8** Years

on the Market



Ardigen achieved second place in the NCI-CPTAC DREAM Proteogenomics Challenge, which gathered over 500 participants.

The task was to predict the abundance of phosphorylated proteins based on selected omie data: CNV, transcriptomics, and mass spectroscopy data of proteins (non-phosphorylated).

As a result of the challenge, we published a research paper in Cell Systems with the challenge organizers and other teams.

**20+**

Scientific Publications

**25%** of PhDs

among Employees



# One of the Biggest AI & Bioinformatics Companies in Europe With Interdisciplinary Expert

**Ardigen**

## Field of Data Science



*My devotion has always been computing the disease. But to hunt for clinically useful insights, with tsunamis of data around, you need a mix of meticulous data science and a respect for the complexity of cells and molecules. With Ardigen's unique capacity of talent, proven experience, and versatile expertise, I am thrilled to take up those challenges.*

**Tomasz Jetka, PhD**  
Excellence Center Director of Data Science

## Field of Molecular and Cellular Biology



*It is so exciting to be a part of the team transforming the drug discovery process. I'm very happy to be able to apply my twenty years of experience working in the field of High Content Phenotypic screening to support AI and data science experts building an innovative technology leveraging imaging data.*

**Magda Otrocka, PhD**  
Lead Molecular Biologist

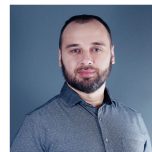
## Field of Software Engineering



*I strive to strengthen our software competencies and continue improving the delivery of projects. This ensures that prototypes prepared by our bioinformaticians and data scientists are going to be turned into stable and very specialized solutions that support our clients at various stages of the drug discovery process.*

**Piotr Faba**  
Excellence Center Director of Software Engineering

## Field of Bioinformatics



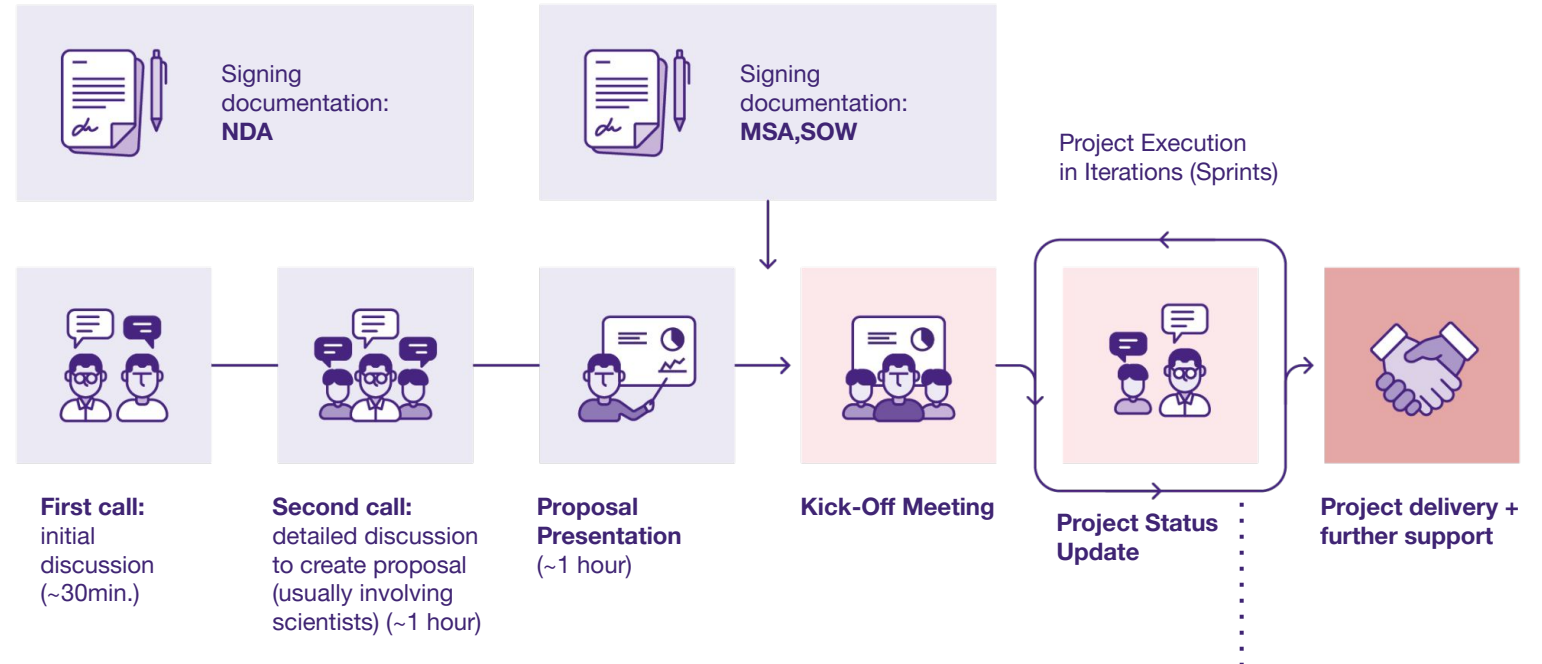
*We are at the edge of transformation of the drug discovery process sparked by the application of AI methods to the human genome data. At Ardigen we work to leverage bioinformatics and machine learning to improve traditional pharma workflow. I am thrilled by solving difficult problems and would be delighted to hear about yours.*

**Marek Kudła, PhD**  
Excellence Center Director of Bioinformatics

# Ardigen Flexible Engagement Models

## How do we work?

- We focus on partnering, have a collaborative attitude, and always aiming to establish long-term relationships with our clients
- Client satisfaction and quality of delivery are our priorities
- We use an agile approach to projects to ensure efficient, transparent, and flexible delivery
- Our delivery team is supported by Excellence Centers and leverages our tools and methodologies to accelerate delivery



### Agile for Life Sciences Methodology

We work according to Agile methodology, which we have adopted for Life Science projects. This approach accelerates the delivery of business value. Through a process of continuous planning and feedback, we are able to constantly maximize value throughout the research and development processes.

## Our Engagement Models

Ardigen

Time & Material

FTE Based

License Fee

Managed Service

Managed Capacity

Success Fee

# Artificial Intelligence & Bioinformatics for Precision Medicine

# Ardigen



Scan to get to know us better

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