

**3000**  
**SWEDISH**  
**BIOMIMETICS®**



Design inspired by nature – We look in nature for concepts that may be adapted and adopted for technology breakthroughs, social and commercial benefits.



# Swedish Biomimetics 3000®

## A V<sup>2</sup>IO Innovation Accelerator

Biomimetic inventions face the same challenge as any other innovation in bringing a product or process from concept to market. Despite a sea of innovative Biomimetic ideas, Biomimetic concepts largely struggle to achieve commercialisation of these ideas for social benefit. It is also well recognized that working over interfaces between various organisations and multidisciplinary sectors is a consistent challenge on accelerating new innovative technologies through to commercialisation.

Swedish Biomimetics 3000® is addressing this opportunity by operating under its innovation accelerating model, V<sup>2</sup>IO, (Virtual, Venture, Intersectional, Organisation) which provides a wide portfolio of business support, including design of structural development programs financial, technical, legal and management functions, all through a 24 hour hands on “intersectional means”.

### Our Mission

Is to fund and foster translational research of Biomimetic Concepts to the point where they are considered Commercial Candidates.



## The $\mu$ Mist® Platform Technology

### **Inspired by the Bombardier Beetle**

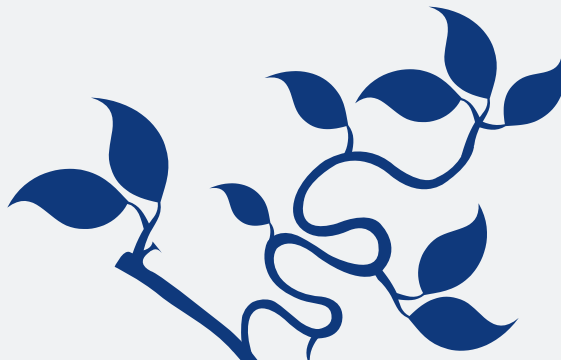
The  $\mu$ Mist® spray Platform technology which is inspired by the bombardier beetle has multiple potential applications, within the automotive, aviation, space craft, medical, fire control and consumer industries – all these industries have a demonstrable need for technically advanced, low carbon impact and more environmentally friendly spray systems. Inspired by the beetle's controlled valve system, the  $\mu$ Mist® innovation uses the same principles.

## The $\mu$ Lot® Platform Technology

### **Inspired by the transcription of RNA into proteins by ribosomes in every living cell**

The current understanding of disease mechanisms has led to an increase in the potential for scientists and the pharmaceutical industry to develop treatments targeted at specific molecular targets. However, many of these novel potential therapies are currently based on molecules too complex to manufacture and as such not viable medicines to pursue for development.

To address this specific need in efficiently manufacture complex molecules at reasonable costs, Swedish Biomimetics 3000® has been funding and fostering translational research of the  $\mu$ Lot® - Platform Technology as a manufacturing technology for complex chemistries, particularly suited to peptide synthesis with the ultimate goal to bring new pharmaceuticals to patients who suffer from diseases for which effective therapies currently are lacking.



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**VIRTUAL GLOBAL OFFICES**

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