

## Press Release

### Mymetics Secures New Patent for Virosome based Vaccines

**Epalinges, Switzerland, 29 November 2010** – Mymetics Corporation (OTCBB: MYMX), a pioneer in the development of vaccines preventing early transmission of human infectious diseases, announced today that the United States Patent and Trademark Office has issued a notice of allowance for the patent application “Phospholipid Virosome” # 10/544,939, based on WO 04/071492.

Dr. Toon Stegmann, CSO of Mymetics BV said “This patent not only allows Mymetics to use a production method that results in better yields and provides an increased activity of virosome vaccines, but it also allows Mymetics to develop virosome based vaccines on any other enveloped virus than flu”.

Jacques-François Martin, CEO of Mymetics, added “This patent compliments very well the intellectual property portfolio around Mymetics’ vaccine pipeline and broadens, in particular, our technology platform to develop other non-influenza virosome based vaccines. It is also an additional confirmation of the importance of our acquisition of Virosome Biologicals last year”.

Mymetics already uses this new innovative production method for its Respiratory Syncytial Virus (RSV) and Herpes Simplex Virus (HSV) vaccine that are in preclinical development.

The patent, which describes a method for the production of virosome vaccines based on a short-chain phospholipid, was developed by Mymetics BV in collaboration with the University of Groningen, in the Netherlands. Mymetics BV was formerly known as Virosome Biologicals, which was acquired by Mymetics Corporation in April 2009.

Since the opposition period for the European equivalent of the patent ended at the same time, without opposition being filed, and considering that patent was also granted in most Asian countries, the key technology that will be the basis for Mymetics’ future vaccines is now secure.

#### **About Virosomes**

A virosome is a drug or vaccine delivery mechanism consisting of a lipid membrane based on an enveloped virus. This membrane can incorporate virus derived proteins to allow the virosomes to fuse with target cells or it can be used as the full natural membrane and proteins of the virus to develop an appropriate vaccine. Virosomes are not able to replicate but are pure fusion-active vesicles. The safety and efficacy of the original virosome technology, which is based on the influenza envelope, has been approved in more than 40 countries for two vaccines developed and marketed by Crucell, one for influenza and one for Hepatitis A.

#### **About Mymetics**

Mymetics Corporation is a Swiss-based biotechnology company registered in the US (OTC BB: MYMX) developing next-generation preventative vaccines for infectious diseases. Mymetics’ core technology and expertise are based on the use of virosomes, lipid-based carriers containing functional fusion viral proteins, in combination with rationally designed antigens. The company’s vaccines are designed to induce protection against early transmission and infection, focusing on the mucosal immune response as a first-line defense, which for some pathogens may be essential for



the development of an effective vaccine. Mymetics is led by an international and experienced management team and is supported by a strong Scientific Advisory Board composed of renowned experts. The company has established contacts with world leaders in vaccine development.

Mymetics currently has 5 vaccines in its pipeline: HIV-1/AIDS, Influenza, Respiratory Syncytial Virus, Malaria and Herpes Simplex Virus. The company's HIV vaccine is entering a new proof-of-concept preclinical trial following unprecedented results in a first study, and is also currently in a Phase I clinical trial in human volunteers. A Phase 1b clinical trial for its Malaria vaccine on children in Tanzania has been completed, while RSV and HSV vaccine candidates are in the preclinical phase. The Influenza vaccine has been out-licensed to Solvay Pharmaceuticals (now Abbott). For further information, please visit [www.mymetics.com](http://www.mymetics.com).

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