Infinite Vision Optics SAS Receives Research Grant to Develop Personalized Intraocular Lens

Strasbourg, 05 September 2018

InfiniteVision Optics SAS (IVO), specialist in intraocular implants for premium vision after cataract surgery, announces that the French Public Investment Bank (BPI France, www.bpifrance.fr) will support the development of a personalized intraocular lens by on IVO’s recently launched Precisight® platform. Funding of € 350,000 will be provided through the competitive BeEst Projet d’Avenir program (PAI3). In the course of the 18 months project IVO intends to provide a further improved vision by adapting the intraocular implant to the anatomy and personal preferences of cataract patients. “This support will maintain the great momentum we gathered the last 12 months at IVO to improve the vision of cataract patients,” Carsten Laue, IVO’s President said. “IVO wants to become the world leader in vision outcomes after cataract surgery. It is a logic step to advance into personalized solutions. To achieve this, we are privileged to collaborate with partners of outstanding reputation and experience” he continued.

The research team comprises the iCube-CSTB laboratories of Prof. Pierre Collet in Strasbourg and Harilaos Ginis, PhD, Head of Research at the Athens Eye Hospital. The team will work on an artificial intelligence approach to effectively design individual optics for cataract patients.

About Infinite Vision Optics SAS

Founded in 2010, InfiniteVision Optics developed the PreciSight® intraocular lens system that permits the adjustment of the front intraocular lens throughout the patient’s life when needed. The risk associated with full lens explantation is considerably reduced thanks a minimally invasive secondary procedure. This proprietary docking station system provides surgeons with a solution to achieve the best possible refractive outcome. They can provide the patient with solutions to refractive and medical changes throughout their lifetime. These changes cannot be predicted at the time of the initial medical procedure. InfiniteVision Optics is based in Strasbourg, France. The Precisight® intraocular lens system has received CE-mark in 2017 and is commercially available in Europe.

About Athens Eye Hospital

Athens Eye Hospital (AEH) is an internationally acclaimed Ophthalmology Clinic in Athens, Greece and is considered a centre of excellence in ophthalmology. Besides being a clinical site AEH has a dedicated Research Department organised under Dr Harilaos Ginis that pursues research in physiological optics and ophthalmic implants. AEH has
invested in optics laboratories including adaptive optics vision (internally developed) visual simulators for the design and development of customised optics for the human eye.


**About iCube CSTB**

In the ICUBE laboratory (UMR CNRS 7357), the Complex Systems and Translational Bioinformatics (CSTB) team specialises in using bio-inspired techniques to improve the medical treatment of patients by using the results of advanced research. In order to improve the treatments through research, the team developed a massively parallel super-computer that uses artificial evolution to find the best mathematical models matching patient data. This platform is a generic solver that was funded by the French ministry of research, and received the first prize at the GECCO 2012 world conference competition on evolutionary computing. Since then, the platform is used to improve and optimize solutions in many different domains reaching beyond health, ranging from magnetic refrigeration to non-linear modelling of jet fighters. The same technique will be used to find the best parameters for personal intraocular lenses.


**Contact**

Infinite Vision Optics SAS  
4, rue Boussingault  
F-67000 Strasbourg  
T +33 6 46 41 54 71

[www.infinitevisionoptics.com](http://www.infinitevisionoptics.com)