

ASX ANNOUNCEMENT 12 September 2012

Bionomics key additions to executive team

- Appointment of Dr José Iglesias as Chief Medical Officer
- Dr Jeremy Simpson as Vice President of Clinical Development
- Dr Sue O'Connor as Vice President of Neuroscience Research

12 September 2012 Adelaide: Bionomics Limited (ASX: BNO, ADR: BMICY) has made three appointments to its executive team.

Dr José Iglesias joins Bionomics as Chief Medical Officer (CMO) and Dr Jeremy Simpson as Vice President of Clinical Development, while BNC210 project leader Dr Sue O'Connor has been promoted to Vice President of Neuroscience Research.

Dr Iglesias will commence employment on November 1st, 2012 and will bring to Bionomics over 20 years experience in the pharmaceutical industry. He has spent the past six years in a variety of roles at global biopharmaceutical Celgene Corporation and its wholly owned subsidiary Abraxis Bioscience. Most recently he served as Vice President of Clinical Development at Celgene with previous roles including CMO and Vice President of Global Clinical Development and Medical Affairs for Abraxis. Prior to this Dr Iglesias worked in several positions at US pharmaceutical giant Eli Lilly over 10 years, a period that included his appointment as Oncology Medical Advisor for Australia and the Asia Pacific region between 2002 and 2004.

An authority in medical research, Dr Iglesias has been published almost 60 times over the past 30 years. He completed his Doctorate of Medicine at the Montevideo School of Medicine.

Dr Iglesias will be employed by Bionomics Inc, Bionomics wholly owned US subsidiary.

Dr Jeremy Simpson is an expert in the oncology and central nervous system space and has spent over 20 years in the Asia Pacific region in the healthcare, pharmaceutical and research sectors. Most recently he was Scientific Affairs Director of Sydney healthcare company Fresenius Kabi Australia Pty Ltd. He also spent four years in director and managerial roles with ICON Clinical Research in both Sydney and Singapore.

Dr Simpson graduated with a Bachelor of Science with Honours at University of Wales Institute of Science and Technology before completing his PhD at Brunel University in Uxbridge, UK.

Dr Sue O'Connor joined Bionomics nine years ago as a member of the drug discovery team before her appointment as Senior Director of CNS Research and Development. Previously she entered the biotechnology sector working on drug development projects in the Department of Gastroenterology at Flinders Medical Centre. Her role at Bionomics has included a high level of

involvement with the identification of BNC210, a drug candidate with considerable potential as a new treatment for anxiety disorders.

"We welcome the arrival of Dr Iglesias and Dr Simpson. Their extensive pharmaceutical experience from across the globe will help push Bionomics through this next stage of pivotal trials and development," said Bionomics CEO and Managing Director Dr Deborah Rathjen.

"Dr O'Connor has been an excellent asset to the company in moving the BNC210 program to where it is today and this appointment is recognition of her capabilities."

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About Bionomics Limited

Bionomics (ASX: BNO) is a leading international biotechnology company which discovers and develops innovative therapeutics for cancer and diseases of the central nervous system. Bionomics has small molecule product development programs in the areas of cancer, anxiety, epilepsy and multiple sclerosis.

BNC105, which is undergoing clinical development for the treatment of cancer, is based upon the identification of a novel compound that potently and selectively restricts blood flow within tumours. BNC105 offers blockbuster potential if successfully developed. A clinical program is also underway for the treatment of anxiety disorders and depression based on BNC210, a novel compound which stimulates neurite outgrowth. BNC210 is partnered with Ironwood Pharmaceuticals.

Bionomics' discovery and development activities are driven by its three technology platforms: Angene®, a drug discovery platform which incorporates a variety of genomics tools to identify and validate novel angiogenesis targets (involved in the formation of new blood vessels). MultiCore® is Bionomics' proprietary, diversity orientated chemistry platform for the discovery of small molecule drugs. ionX® is a set of novel technologies for the identification of drugs targeting ion channels for diseases of the central nervous system. These platforms underpin Bionomics' established business strategy and Bionomics is committed to securing partners for its key compounds.

For more information about Bionomics, visit www.bionomics.com.au

Factors Affecting Future Performance

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