



# **BIONIC VISION**

## TECHNOLOGIES

### **Position Description**

#### **Electronics Engineering Lead**

Bionic Vision Technologies (BVT) is an Australian medical device company that aims to preserve and restore a sense of vision by developing a range of best in class technologies to address degenerative retinal conditions.

BVT is commercialising technologies developed by a consortium of leading Australian universities and research institutes supported initially by Australian Research Council funding, and now by private investors.

We are now expanding our team to accelerate development of our core product, a retinal prosthesis or bionic eye and seek an Electronics Engineering Lead.

As Electronics Engineer Lead, you will have a unique opportunity to shape the development of the Australian Bionic Eye.

#### **Key responsibilities**

- Lead the electrical design, test, verification & support of BVT's products
- Design hardware architecture
- Establish hardware development processes, tools & equipment
- Manage integration of work from suppliers
- Participate in key multidisciplinary technical decisions
- Be a champion for the patient

#### **Minimum criteria**

- Expert in analogue and digital circuit design skills
- Proficient with Altium Designer
- Degree in Electrical Engineering, Electronics Engineering or equivalent
- Significant product development experience
- Experience with electronic test methods and design verification
- Deep understanding of hardware development principles, tools & practices
- Excellent stakeholder management and communication skills
- Drive for achievement
- Resilient and flexible

#### **Ideal criteria**

- Experience of being lead electronics engineer on a significant (>\$10m) product development project
- Experience with medical devices either within an organisation or through an engineering design house
- Knowledge & practical implementation of IEC60601-1

- Experience setting up a hardware development environment (lab setup, equipment selection, development processes)
- PCB layout skills
- Software or firmware skills

### **Location**

- Sydney or Melbourne with some travel required
- Position reports to Chief Scientific Officer

### **How the Bionic Vision Technologies (BVT) Pty Ltd bionic eye works**

The BVT developed bionic eye consists of implanted and body worn components. The patient wears glasses with a small video camera mounted on the side. The live feed from the camera is processed and transmitted via an implanted microchip to an electrode array placed in a naturally occurring pocket behind the retina, called the suprachoroidal space. The electrodes stimulate remaining cells in the retina, to generate spots of light that give a patient a sense of vision.

### **About Bionic Vision Technologies Pty Ltd (BVT)**

BVT is an Australian medical device company that aims to preserve and restore a sense of vision by developing a range of best in class technologies to address degenerative retinal conditions. BVT is commercialising the technologies developed by Bionic Vision Australia (BVA), a consortium of leading universities and research institutes funded by the Australian Research Council from 2010 to 31 December 2016.

In April 2017, BVT received A\$23.6 million from Hong Kong-based State Path Capital and China Huarong International Holdings. The funds enabled BVT to accelerate development and clinical studies. Consortium members collaborating on the trial include the Bionics Institute, Centre for Eye Research Australia, CSIRO's Data 61, the University of Melbourne, and The Royal Victorian Eye and Ear Hospital.

### **How to apply**

Visit [www.bionicvis.com](http://www.bionicvis.com) to obtain a position description and information on how to apply.

All applicants are required to submit a cover letter and CV with their application.

Email applications addressed to the CEO to: [careers@bionicvis.com](mailto:careers@bionicvis.com)

Closing date for applications: 11.59pm on Sunday 16 June 2019.

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