# Position Details

Role summary for potential applicants

|  |  |
| --- | --- |
| **Advertised Job Title:** | Traineeship - Electron Microscopy and X-ray Diffraction |
| **Reference Number:** | 45921 |
| **Classification:** | Aboriginal and/or Torres Strait Islander Traineeship |
| **Salary Range:** | Trainee Salary – $22,999 to $25,491 plus up to 15.4% superannuation |
| **Location:** | Clayton, VIC |
| **Tenure:** | Specified term of 24 months or duration/remainder of full-time study program |
| **Relocation assistance:** | Will be provided to the successful candidate if required |
| **Applications are open to:** | Open to people of Australian Aboriginal and/or Torres Strait Islander descent *(Proof of Aboriginality will be required prior to confirming the appointment)* |

|  |
| --- |
| **Role Overview:** |
| The Indigenous Traineeship Program is an initiative of the CSIRO Indigenous Engagement Strategy which seeks to significantly increase Indigenous employment nationally within CSIRO. Through this strategy, CSIRO aims to enhance the educational, employment, training and career development opportunities for people of Aboriginal and/or Torres Strait Islander descent.  An opportunity exists for a trainee to join **CSIRO Manufacturing** to undertake a workplace-based traineeship. There is aposition currently available in the **Biophysics** group:   1. **XRD**   The x-ray diffraction (XRD) laboratory provides both specialist and routine phase analysis support to research projects undertaken within CSIRO and external clients**.** The successful applicant will join the x-ray science team and under training and guidance from the XRD analyst, will acquire and develop skills and gain experience in all key aspects of the technique. The core responsibilities involve following day to day procedures to maintain the laboratory practices; use the science of sample preparation; performing both qualitative and quantitative analyses; validate and verify results through calibration and standardisation; create new ways to make measurements, such as method development, process data and communicate results in a report format.   1. **Microscopy**   The microscopy facility provides both specialist and routine image and structural analysis support to research projects undertaken within CSIRO and external clients**.** Techniques include electron (SEM) and optical (OM) microscopy from macro to nano scale for surface imaging and texture analysis as well as semi-quantitative elemental composition. The successful applicant will gain experience after rigorous training in all key aspects of the techniques from sample investigation to determine appropriate technique to use, sample preparation and equipment operation. Data will be acquired and results communicated to the client in report format. Responsibilities include adherence to laboratory and OHS&E practices.  Over the course of the traineeship, the successful applicant will undertake on-the-job training and complete a Nationally Accredited Qualification relative to their position. Upon successful completion of the training package the trainee will be considered for ongoing employment with CSIRO, if available. |

|  |
| --- |
| **Duties and Key Result Areas:** |
| * Work as part of the Microscopy and x-ray science teams, contribute to Team goals and achievements and participate in Team meetings and activities. * Work with Team members to gain skills and experience in SEM and OM, XRD and other analytical techniques. * Work with clients of the Laboratories to provide appropriate analytical support to ensure successful project outcomes. * Comply with CSIRO general policies and procedures, OHS&E policies and requirements. |

|  |
| --- |
| **Selection Criteria:** |
| *Please note: Under CSIRO policy only applicants who meet all the essential criteria can be appointed.*  Pre-Requisite   * Must be either enrolled in, currently studying, or eligible and willing to carry out training for a Nationally Accredited Qualification relative to the position. e.g. Certificate IV in Laboratory Techniques.   Essential Criteria:   1. Interest in science and technology. 2. Ability to pick up new tasks quickly and with ease. 3. Ability to work in a team. 4. Effective written and oral communication skills. 5. Willing to learn and follow direction.   *Desirable Criteria:*   1. Computer literacy and proficiency with Microsoft office; particularly Excel and Word. 2. Experience in writing reports. 3. Mathematics and science at a high school level.   ***CSIRO Values:***  As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to Excellent science, Inclusion, trust & respect, Health, safety & environment and Deliver on commitments. In your application and at interview you will need to demonstrate alignment with these behaviours. |

|  |
| --- |
| **Other Information:** |
| This is an identified position to be occupied by an Aboriginal person and/or Torres Strait Islander person only. This is a genuine occupational requirement as permitted by and arguable under the Anti-Discrimination Act.  **How to Apply:** Please apply for this position online at [www.csiro.au/careers](http://www.csiro.au/careers). You will need to provide:   * A Resume and cover letter (as one document) advising why you are interested in a traineeship with CSIRO; and * Confirmation of Aboriginality or Torres Strait Islander descent (this can be provided later if necessary).   **IMPORTANT:** Please upload your Resume and cover letter as **one** document and your Confirmation of Aboriginality or Torres Strait Islander descent status in the “Eligibility documents” field in your application.  If you experience difficulties applying online call 1300 984 220 and someone will be able to assist you. Outside business hours please email: [csiro-careers@csiro.au](mailto:csiro-careers@csiro.au)  **Referees:** Please provide the names and contact details of two referees in your resume. Referees can be previous supervisors, school teachers, sporting coaches or someone who knows you well.  **Contact:** If after reading the selection documentation you require further information please contact *Natasha Wright* by email at [Natasha.Wright@csiro.au](mailto:Natasha.Wright@csiro.au) or by phone at 03 9545 2041.  *Please do not email your application directly to Natasha Wright. Applications received via this method will not be considered.*  **About CSIRO**  The Commonwealth Scientific and Industrial Organisation (CSIRO) is Australia’s National science agency. At CSIRO, we do the extraordinary every day. We innovate for tomorrow and help improve today – for our customers, all Australians and the world. Our innovations contribute billions of dollars to the Australian economy every year. As the largest patent holder in the nation, our vast wealth of intellectual property has led to more than 150 spin-off companies. With more than 5,000 experts and a burning desire to get things done, we are Australia’s catalyst for innovation.  CSIRO. We imagine. We collaborate. We innovate. Find out more! [www.csiro.au](http://www.csiro.au)  **About CSIRO Manufacturing**  Australian manufacturing is changing focus from heavy industry to high tech products based on sustainable, advanced manufacturing processes. Our science and engineering skills, equipment and international connections are helping Australian manufacturers be globally competitive. Find out more at: <http://www.csiro.au/en/Research/MF> |