

# CARL CHANDLER

## BIOMEDICAL SCIENCE GRADUATE

A highly motivated, final year Bachelor of Biomedical Science student with a strong interest in medical and genetics research, experienced in asthma and respiratory disease. High level of attention to detail, as well as excellent communication and time management skills developed through 2+ years' part-time employment in customer service and work as an IT Rover. Proven dedication to serving the community, demonstrated through regular volunteering and organising events. Currently seeking a position as a laboratory assistant/technician in a clinical or research laboratory.

## QUALIFICATIONS

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**Bachelor of Biomedical Science**  
University of Newcastle

2016 – 2018

Relevant Subject Areas: Experimental Design and Laboratory Skills in Medical Research, Physiology, Human Pathophysiology, and Human Infection and Immunity (Distinction Average)

**Open Foundation**  
University of Newcastle

2015

## PROFESSIONAL EXPERIENCE

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**Student Researcher**  
University of Newcastle  
Project | *Cell Meiosis Research Project*

Aug 2017 – Jun 2018

- Designed and implemented research project on the effects of mobile phones on cell meiosis
- Completed ethics approval process; complied with health and safety protocols
- Presented findings at UON Research Showcase and at the University Open Day

**Laboratory Assistant**  
The Centre for Asthma and Respiratory Disease

Feb – Dec 2017

- Prepared cultures for analysis
- Managed laboratory and equipment bookings
- Cleaned, maintained, and set up laboratory equipment for use in experiments
- Contributed to research team meetings
- Conducted regular quality assurance checks to comply with WHS policies

## RESEARCH SKILLS

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**RESEARCH PROCEDURES** Animal and human ethics, GMO's, WHS, pathology laboratory functioning, quality assurance and control

## TECHNICAL SYSTEMS

*Proteomics equipment:* Ettan spot picker, Ettan Pr Maldi-TOF, 2D gel equipment, rocis494, HT Protein Sequencer, Biacore 3000  
*Amaxa Nucleofector:* transfection of mammalian cells  
*Centrifuges:* spectrophotometers, including nanodrop, and fluorescent spectrophotometers  
*FLUOstar Optima:* fluorescent plate reader  
*Typhoon 9410:* laser scanner for gels, western blots, microarrays  
*BioPlex machine*

## ANALYTICAL SKILLS

Advanced level data processing, analytics, visualisation and use of databases.  
High level attention to detail developed throughout experience as a Laboratory Assistant and Student Researcher.

## EXPERIENCE

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### IT Rover

University of Newcastle

Mar 2017 – current

- Provide Help Desk, troubleshooting services, and IT support to Library users
- Assisted students with general enquiries and use of equipment
- Assisted Library staff as required

### Customer Service Assistant

Bunnings

Jun 2015 – current

- Team Leader responsibilities during summer university break, training and supervising a team of 15 casual staff
- Provide friendly and informative service to customers by maintaining up-to-date knowledge of products sold in the store

### Student Ambassador

University of Newcastle

Feb 2017 – Nov 2018

- Engaged with secondary school students across the region to encourage them to consider tertiary study at the University of Newcastle
- Delivered presentations on behalf of the university at schools, open days, community events, career expos, and via social media

## VOLUNTEER EXPERIENCE

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### Volunteer

HNE Mental Health Services Volunteer Program  
Project | *Mental Health Services*

Aug 2017 – Sept 2018

- Provided patient support and assisted with life skills activities
- Assisted with facilitation of fortnightly support group sessions

### Facilitator

University of Newcastle  
Project | *Welcome Dinner Project*

Jan – Dec 2018

- Facilitated monthly dinners to welcome new international students to the community
- Coordinated a team of five volunteers to organise venues, catering, marketing, and entertainment for each event

- Contributed to the planning of the Wishful Thinking Festival
- Worked with a team of 10 volunteers to arrange logistics and ensure smooth running of the event which attracted over 2000 people

## PROFESSIONAL SKILLS

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### IT SKILLS

Microsoft Power BI, SPSS, Tableau, XLStat, StatPlus, MatLab

### COMMUNICATION

Skilled at explaining complex concepts and experienced at translating technical terminology into easy to understand, layperson descriptions for colleagues and customers, used as an IT Rover.

Engaging presenter with strong interpersonal skills, evidenced by two years' experience as a Student Mentor and Student Ambassador.

Experience writing scientific reports and assisting with the preparation of grant applications.

Completed the Toastmasters Public Speaking training and have successfully presented research projects to groups for assessment.

### TEAMWORK

Successful completion of university group projects which included project coordination and co-reporting. Worked as a member of the planning committee with a group of 10 volunteers to run the Wishful Thinking Festival which attracted over 2000 participants.

## PROFESSIONAL DEVELOPMENT

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- **New Futures Hackathon** | UON Integrated Innovation Network (I2N) Sept 2018
- **Data Visualisation Techniques workshop** | Intersect Australia Mar 2018
- **Public Speaking and Presentation Skills** | Toastmasters Australia Nov 2016

## PROFESSIONAL MEMBERSHIP

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- **Australian Institute of Medical Scientists**
- **Professional Scientists Australia**

## REFEREES

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**Toby Winter**  
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