

Newcastle University









my PhD









☑ NCL Workshop Booking

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Supervisor: Dr James Dawson

Date: 20/10/2022

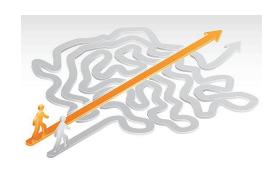
Who we are and why we are here today?

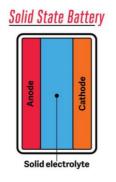


It's a Marathon not a Sprint.

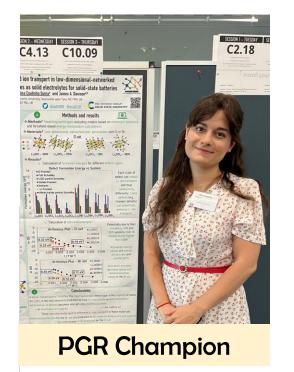












Several of the **images** used within this presentation are **links** that will redirect you to **relevant websites**. Click on the pictures :D

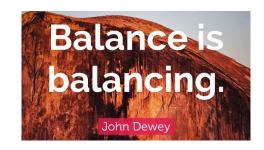
Summary - Division



You as a **Student**



You as a **Person**



Summary - Division

You as a **Student**

- Communication
- Research
- Demonstration
- Workshops & Skills
- Research Proposal
- NU My career
- Your PhD & Events A happy tale

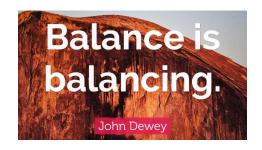




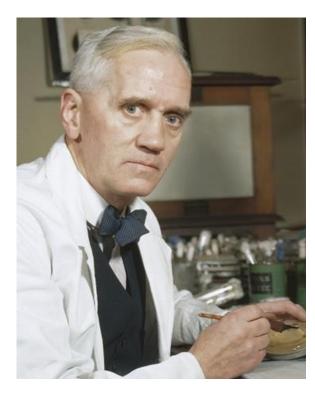
You as a Person

- Language Resource Centre
- Volunteering
- Impostor Syndrome
- Your Environment
- Daytrips from Newcastle
- Student Discounts!
- You & Events A happy tale









Alexander Fleming, 1943

ON THE ANTIBACTERIAL ACTION OF CULTURES OF A PENICILLIUM, WITH SPECIAL REFERENCE TO THEIR USE IN THE ISOLATION OF $B.\ INFLUENZ\pounds.$

ALEXANDER FLEMING, F.R.C.S.

From the Laboratories of the Inoculation Department, St Mary's Hospital, London.

Received for publication May 10th, 1929.

WHILE working with the second of the second

became transparent and were obviously undergoing lysis (see Fig. 1) abbellutures of this mould were made and experiments conducted with a view to ascertaining something of the properties of the bacteriolytic substance which had evidently been formed in the mould culture and which had diffused into the surrounding medium. It was found that broth in which the mould had been grown at room temperature for one or two weeks had acquired marked inhibitory, bactericidal and bacteriolytic properties to many of the more common pathogenic bacteria.

CHARACTERS OF THE MOULD.

The colony appears as a white fluffy mass which rapidly increases in size and after a few days sporulates, the centre becoming dark green and later in old cultures darkens to almost black. In four or five days a bright yellow colour is produced which diffuses into the medium. In certain conditions a reddsh olour can be observed in the growth.

In broth the mould grows on the surface as a white fluffy growth changing in a few days to a dark green felted mass. The broth becomes bright yellow and this yellow pigment is not extracted by CHCl₃. The reaction of the broth becomes markedly alkaline, the pH varying from 8.5 to 9. Acid is produced







Me! Circa. 2012

At the Sherlock Holmes Museum (hence my costume!)

1. Communicating your research = tricky!



Many formats and each with their own language

ON THE ANTHANTERIAL ACTION OF CILITURES OF A PENICILLIUM, WITH SPECIAL REFERENCE TO THEIR USE IN THE ISOLATION OF B. INFUIENCE.

ALEXANDER FLEMING, FR.CS.

From the Laboratories of the Loueslation Department, St. Mary's Hospital, London.

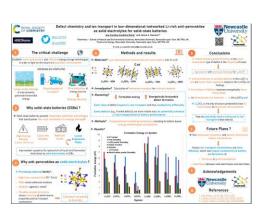
Bootward for pulsimizar May idea; Hospital, London.

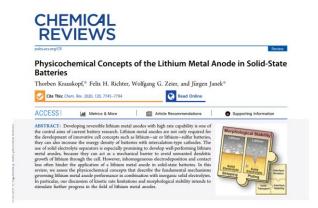
WHILE Working with staphylococcus variants a number of culture-plates were set saide on the laboratory bench and examined from time to time. In the examinations these plates were necessarily exposed to the air and they became containmined with various mirror-organisms. It was noticed by became containmented with various mirror-organisms. It was noticed with a view to ascertaining something of the properties of the bacteriotyle reporties to smary of the Subclusters of this mound were under an experiented conducted with a view to ascertaining something of the properties of the bacteriotyle reporter to many of the more common pathogenic bacterioty. It was found that between the common pathogenic bacteriotyle reporter to many of the more common pathogenic bacterio.

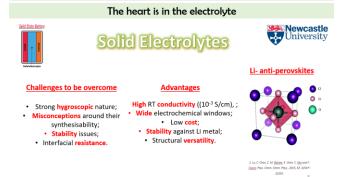
CHARACTERS OF THE MOLL.

The colony appears as a white finify mass which rapidly increases in size and after a few days speniture to more you occurring after processes in size and after a few days speniture to more you occurring after processes in a reliable bodient can be observed in the growth.

The colony appears as a white finify mass which rapidly increases in size and after a few days speniture to more you occurring after processes in size and after a few days speniture to more you occurring after processes in size and after a few days speniture to more you occurring the properties to many of the source of the best processes as well as a formation of the best processes as well as the processes as well as the processes as well as a formation of the best processes as well as a formation of the best processes as well as a formation of the best processes as well as a formation of the best processes as well as a formation of the best processes as well as a formation







Two different types of audience (or three?)



"Please provide a research statement about your research. This statement will be read by expert and non expert reviewers so please write a statement suitable for both audiences"

1. Communicating your research – how to prepare!

- Many formats and each with their own language
- Scientific Posters

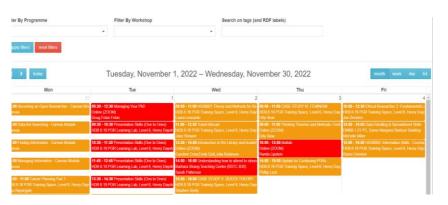
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What Makes a Good Poster? 1

Designing an Effective Research Poster 1













1. Communicating your research

- Many formats and each with their own language
 - Slides Presentations

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Presentation Skills Using Powerpoint 1

Creating an animation of your Research (1)

- What is your favourite slide? Why?
- ❖ What would you do differently? WHY?











1. Communicating your research

- Many formats and each with their own language
 - The written word

Registration for

In-Sessional English (RISE)

INU7324	Writing	An overview of writing your Dissertation	22/11/2022	02:00	1	Select
INU7314	Writing	Writing the proposal for your dissertation	24/11/2022	02:00	1	Select
INU7334	Writing	Writing the Introduction & Abstract for your dissertation	29/11/2022	02:00	1	Select
INU7344	Writing	Writing the Literature Review for your Dissertation	06/12/2022	02:00	1	Select
INU7014	Writing	Successful Job Applications in English	25/01/2023	02:00	1	Select
INU7114	Listening	Dealing with unknown vocabulary when listening 1: Improving your academic vocabulary	25/01/2023	01:00	1	Select
INU9144	Writing	Writing for MPHIL/PhD students in HASS & SAgE (Part B)	30/01/2023	02:00	1	Select
INU9061	Listening	Listening & Speaking Practice Sessions (Part 3)	31/01/2023	02:00	1	Select
INU5055	Writing	Interactive Grammar Lectures	01/02/2023	01:30	1	Select
INU7134	Listening	Improving the accuracy and fluency of your spoken English	01/02/2023	01:00	1	Select
INU9081	Listening	Listening & Speaking Practice Sessions (Part 4)	28/02/2023	02:00	1	Select
INU7364	Writing	The Method Section of your Dissertation	10/05/2023	01:00	1	Select
INU7044	Writing	Intensive Dissertation Writing	12/06/2023	03:00	1	Select
2 INU7384	Writing	Writing the Results, Discussion and Conclusion Sections of your Dissertation	12/07/2023	02:00	1	Select







nho Dutra

YOU SEE,

OBSERVE

DO NOT

1. Communicating your research

- Many formats and each with their own language
- The written word

Registration for In-Sessional English (RISE)

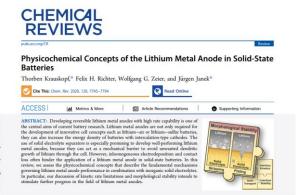












Help with phrases



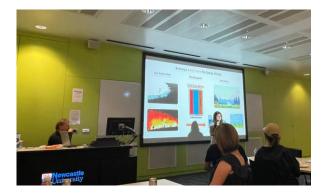
Academic Phrasebank



1. Communicating your research

- Many formats and each with their own language
- Talking... OUT LOUD!
 - ❖ P-R-A-C-T-I-C-E!

















Bright Club Newcastle

The Stand Comedy Club

1. Communicating your research

- Many formats and each with their own language
- o Talking... OUT LOUD!
 - ❖ P-R-A-C-T-I-C-E!
 - Find opportunities to P-R-A-C-T-I-C-E!













1. Communicating your research

Two different types of audience (or three?)

"Please provide a research statement about your research. This statement will be read by expert and non expert reviewers so please write a statement suitable for both audiences"

- Advice #1
- Write your research thesis (one for each audience type) in:
 - ❖ A sentence;
 - ❖ A Paragraph;
 - ❖ A Page (and make an extra of this for audience 3).









1. Communicating your research



- Two different types of audience (or three?)
- Example

I carry atomistic and molecular dynamics simulations to investigate the energetics of defect formation and Li-ion transport in a range of Li_xOX_y (X = Cl or Br; x = 3–6; y = 1–4) anti-perovskites with zero- to three-dimensional structures, in the context of their use as solid electrolytes for solid-state batteries.

I use computational programmes to predict how imperfections in the structure of different solid materials, which belong to a material family called anti-perovskites, can impact the way Li-ions can be transported across them. Good Li-ion transport is fundamental for battery materials and my research can predict which materials would be better to be used in batteries that are made only with solid materials.

2. Research Skills



- Literature Reading
 - Start with the reviews and make your way back to the past.
 - Read abstract and conclusions first. Now Introduction. Is it relevant to your research?
 Then dive into the methods and results.
 - Make a Study Buddy Document





2. Research Skills

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o EDI

Equality,
Diversity and
Inclusion
including PGR
support and
responsibilities

Time Management

Professional Development: Academic Time Management **1**

Managing Your PhD 1

Teaching

Introduction to Learning and Teaching in Higher Education -Workshop 1 **1** > PhD Life

Making the Most of your PhD Experience

2. Research Skills

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Coding

Writing your thesis in LaTeX



Software Carpentries – for HPC and Python





Extra Funds Applications

Writing Persuasive Applications 1

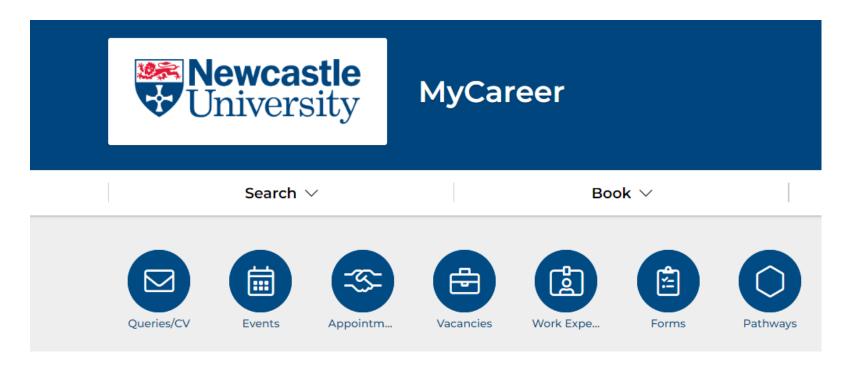
Applying for Research
Funding - Getting Started:
PhD & Beyond ①

School of Natural and Environmental Sciences - Student Travel Bursary Application Form

SNES Community Canvas – 1 Year Lifecycle



3. My career







4. Your PhD & Events – A happy tale

- GO!
- Talk to PEOPLE, talk to EVERYONE!
- If others cannot go, go anyways!
- BE NICE everyone there also wants to have a good time!
- Remember you are representing your research, your group and your uni.
- Each experience is different and things do take time to happen.







4. Your PhD & Events – A happy tale

- But Ana, I am so shy....
 - Visualize yourself networking before you go.
 - Act the way you would like people to act with you.









It IS hard, but this can be the difference between having a GREAT time or feeling very lonely.

Remember practice makes perfect and things do take time.

But some things are **REALLY** worth practicing for!



4. Your Environment

- Be part of the solution
 - Emails: Thank people!
 - Compliment people on their work; tell them what you loved about it
 - Say hello to people you know on the corridor
 - o Be HUMBLE:







Be mindful, critic and observant of the effect that gathering so much knowledge has on you.

Do not forget that you too once were a beginner and that everyone can learn.

Be to your future 1st year colleagues what YOU wanted your colleagues to be.

Just because someone does not fully understand your research it does not mean they cannot teach you

anything else!

5. Impostor Syndrome



Wellbeing4all: Coping with Imposter Syndrome

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- The first step to anything new is freaking out.
- Remember that the people who chose you to be here are very smart.
- Remember where you were 4, 2 years ago and where you are now –
 you improved then and will improve much more!
- You did not get here JUST to get here.
- You are a STUDENT, you are LEARNING. If you were supposed to know all about your research already... then where is your Nobel Prize???



6. Student Union Events and Trips!





20 Oct, 2022



Social Cricket
04:00pm | On-Campus



20 Oct, 2022



Social Netball
05:00pm | On-Campus

07:00pm | Venue

45am | Off-Campus



If others cannot go, go anyways! **20** Oct, 2022



Ghostly & Grisly Newcastle walking tour

05:30pm | Off-Campus



20 Oct, 2022



Live Music: The Feeling

INFO BOOK NOW

21 Oct, 2022



Lundgren Tours 3 day tour of the Scottish Highlands (Paradise)

INFO BOOK NOW

7. Demonstrating



Introduction to Learning and Teaching in Higher Education - Workshop 1 1

Introduction to Learning and Teaching in Higher Education - Workshop 2 1

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- Sharpens your empathy and ability to deal with challenges "on the go"
- Teaching Experience!

Communication is key!



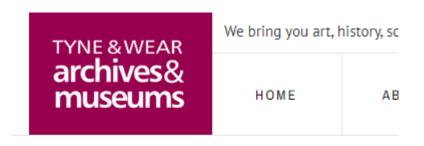
8. Volunteering



VOLUNTEERING

We are here to provide you with every opportunity to take on new repsonsibilities, working on your own personal development, and help support the local community.





Volunteering



9. Language Resource Centre



Language Resource Centre How to Join

Communication is key!

e-Tandem Partnerships

Distance & Online Resources







School & Institute Programmes

NIHR Newcastle Training

Language Resource Centre **Engagement Training**





10. Mindfulness

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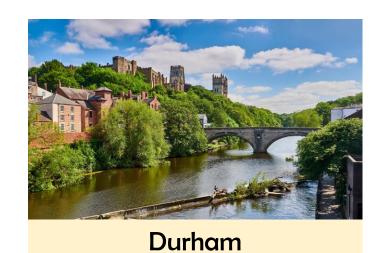




11. Beyond Newcastle

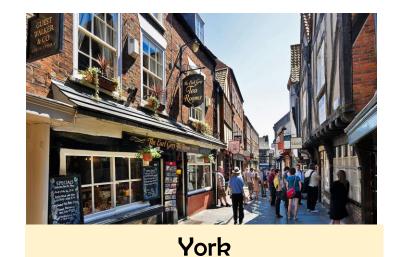
Get a Railcard







Edinburgh







The Lake District

12. Student Discounts!



UNIDAYS











Remember

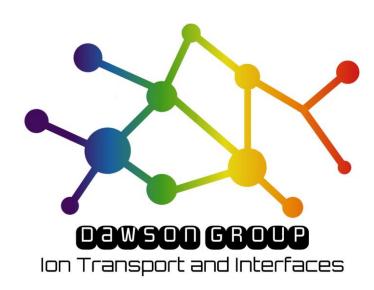








Acknowledgements











Newcastle

University









Rhiannon Lamb





























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