

D · R · A · M · S



DUNDEE RESEARCH AND ACADEMIC MEDICINE SOCIETY.

# Insight into Academic Foundation

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<http://discoverresearch.wordpress.com/>



**INSPIRE**

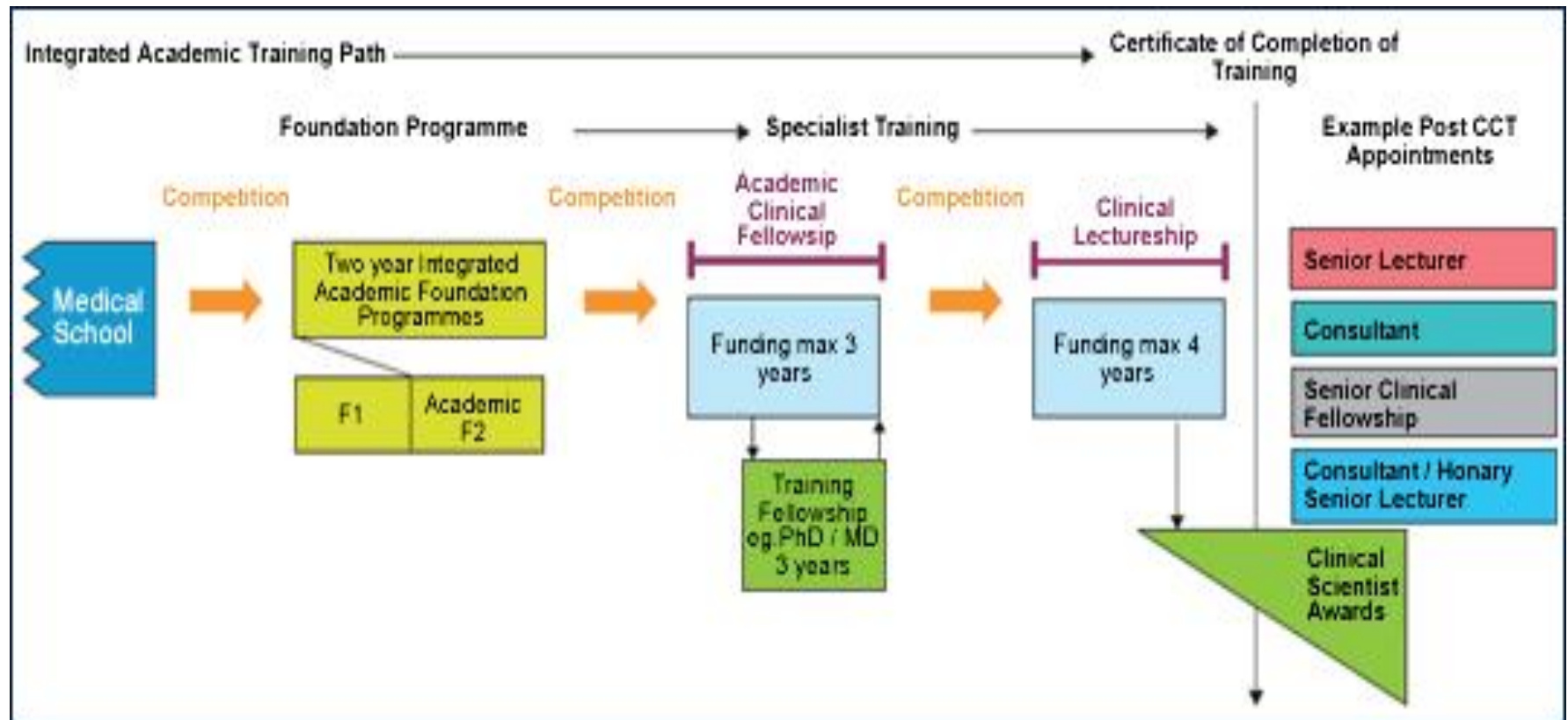
# Academic Foundation Programme

Faith Dalgaty

# Why should I apply?

- Research
- Education/teaching
- Improvement projects
- Leadership and Management
- Specialty Interest
- Business
- Career Progression

# What does my career look like?



# Who is Ideal?

- Good clinical knowledge
- Good clinical exposure
- Overall good exam results
- Good clinical skills/inc procedural
- Good time management
- Degree Holders
- Keen beans 😊

# Academic Programmes

- Continuous or block
- Fancy ones in England, specialty specific
- Dundee the only one in Scotland which is block

How do I get In?

# Scoring applications

**100 points maximum**

## **Part 1**

- Educational Performance Measure (EPM)
  - 50 points maximum

## **Part 2**

- SJT (selection assessment for FP 2014)
  - 50 points maximum

# Scoring applications - EPM

## Part 1

### **Educational Performance Measure (EPM) - 50 points (max)**

EPM score comprises:

#### 1. EPM decile score (up to 43 points)

- Calculated by each medical school
- First decile (the top 10% of the year) = 43 points
- Tenth decile = 34 points

You will be able to see your EPM decile score once you are confirmed as a nominated applicant on FPAS

#### 2. Educational achievements score (up to 7 points)

- Calculated from information provided on your application form
- Additional degree = up to 5 points
- Other educational achievements = up to 2 points

You will be able to view your verified educational achievements score on FPAS from 28 October 2013

# Extra Degrees

- 5 Points for Masters/Phd
- 4 Points for First Class honours
- 3 Points for Upper second
- 2 Points for Lower Second
- 1 Points for Third

# Deanary Selection

- Up to 2
- Rank all/or just desirable rotations
- Scotland counts as one deanary – split into four areas
- The AFP runs in Parallel to FP
- Some deanaries require CV uploading
- Each deanary has own extra requirements
- TOP ranking EPM scores plus extra achievements offered interview.

# Scotland Applications

- 1. Please describe your involvement in research to date. Describe up to 2 research projects you have been involved with. What part did you play in planning, undertaking and presenting this research?
- 2. Describe your involvement in teaching in at least 2 different settings. Explain how you learned to be a teacher and how this has influenced your teaching to different types of students. Outline an example that you consider to be best practice

- 3. Please describe your experience as a team leader. Describe up to 2 of your leadership roles. What did you gain from these experiences?
- 4. Please explain why you think that Scotland is the right place for your future academic training giving at least 2 reasons why you think it will benefit your future career

# Interviews

- Scotland interviews runs in Edinburgh
- Panel of four
- Generic Interview Advice
- Clinical, Research, etc questions reasonable.

Other deanaries may run differently with OSCE style.

# Offers

- 3 days to accept
- Ladders down
- Subject to 'satisfactory' SJT scores and completion of Medical Degree
- Then the rest is up to you.

# Key dates for FP/AFP 2014

15 Jul – 14 Aug 2013	Eligibility checking
27 Aug 2013	View Academic programmes on FPAS
30 Sept 2013	Register on FPAS and confirm nominated applicants. View ALL programmes
7 – 18 Oct 2013	FP and AFP applications submitted
21 Oct 2013 – 17 Jan 2014	AFP local short-listing and interviews
6 Dec 2013, 6 Jan 2014	1 <sup>st</sup> & 2 <sup>nd</sup> SJT dates
22 Jan – 19 Feb 2014	AFP offers period
10 March 2014	FP primary list allocated to UoA
8 Apr 2013	FP primary list matched to programmes
May – Jul 2014	FP reserve list batch allocations

# Questions????

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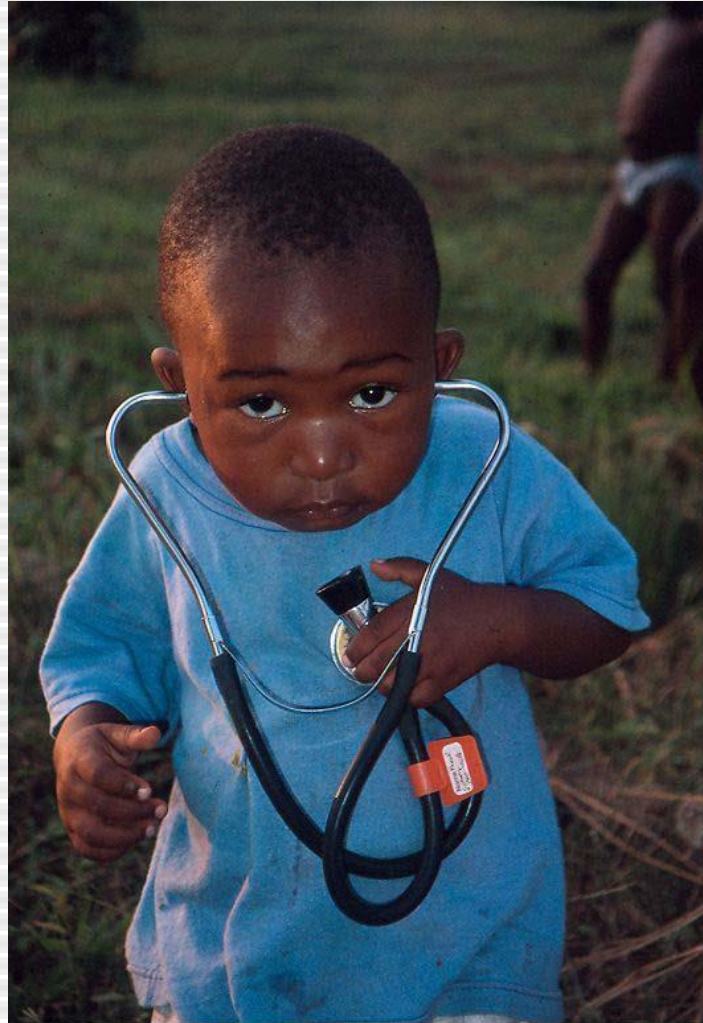
# Academic FY

Alison Gifford  
ST1 Paediatrics  
Ex-academic FY2

# What I do now



# What I would like to do later



# Why does research matter?

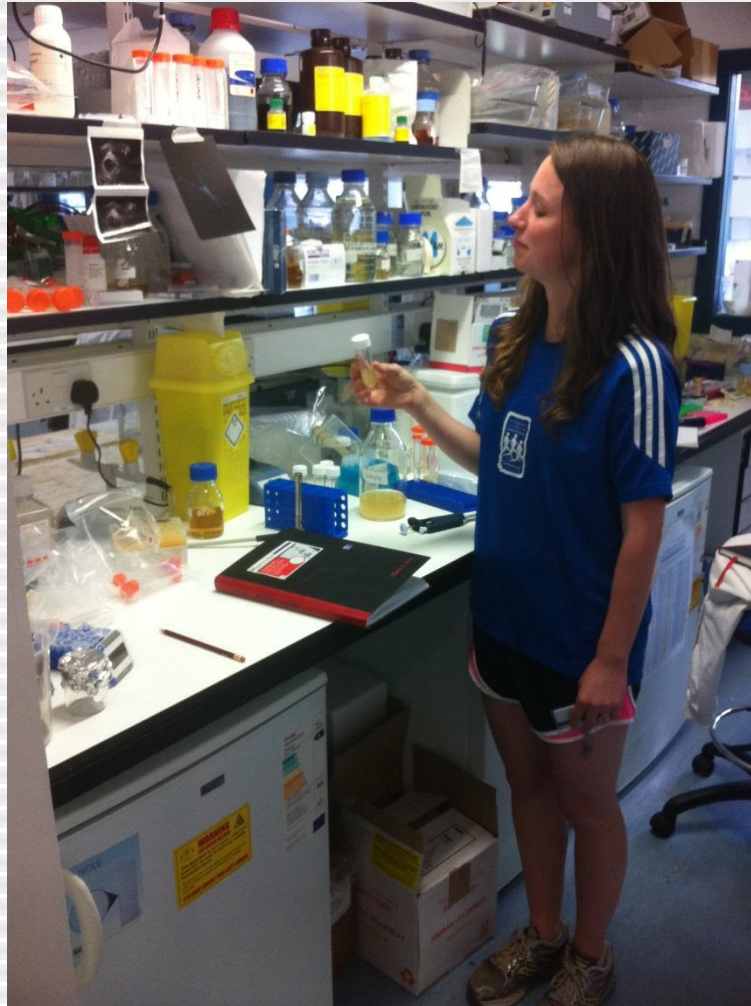


Taken with permission of parents

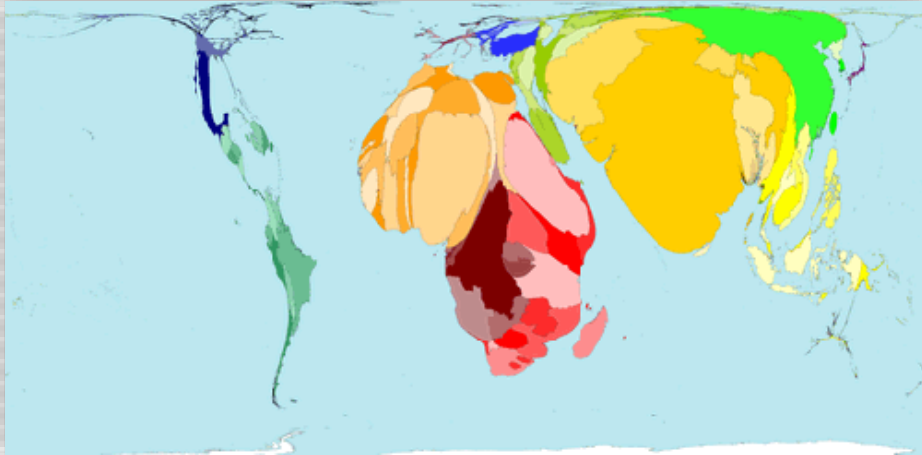
# Denis Burkitt



# My four months

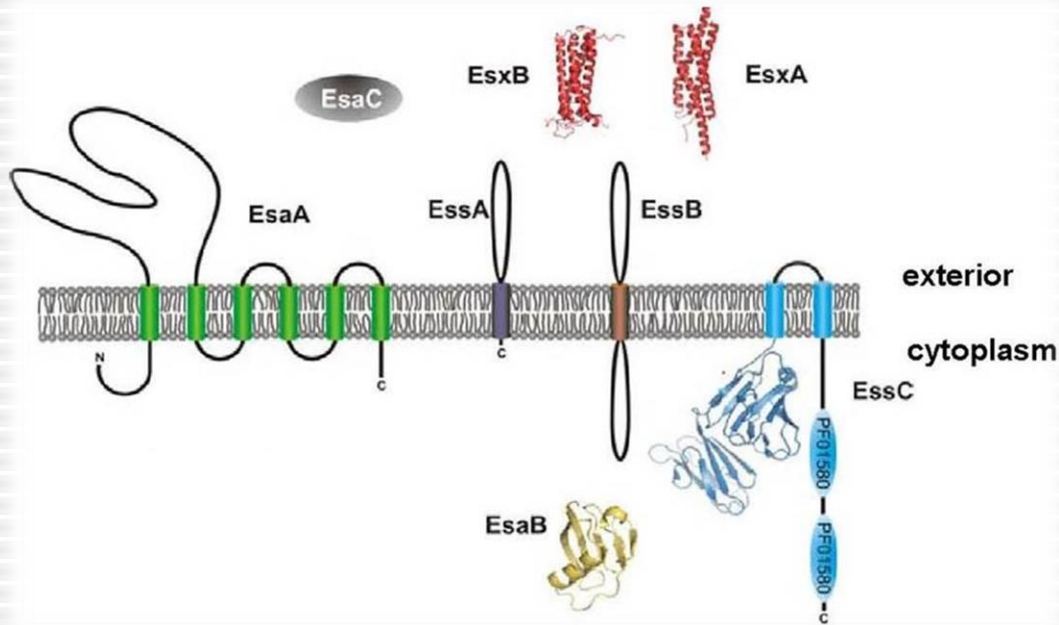


# Staphylococcus aureus



- 1 million neonatal deaths per year associated with pneumonia and sepsis
- *S. aureus* in top 3 causative organisms with high rates of resistance
- 99% of deaths are in the developing world<sup>1</sup>
- There is a trend toward a greater prevalence of *S. aureus* in HIV-infected children<sup>2</sup>

# ESX system

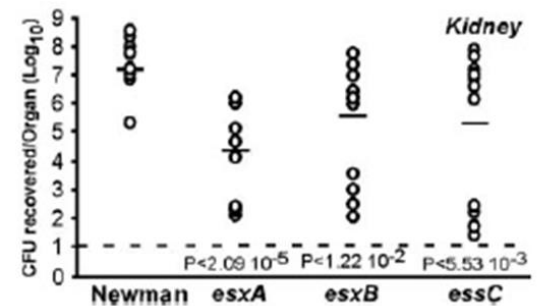
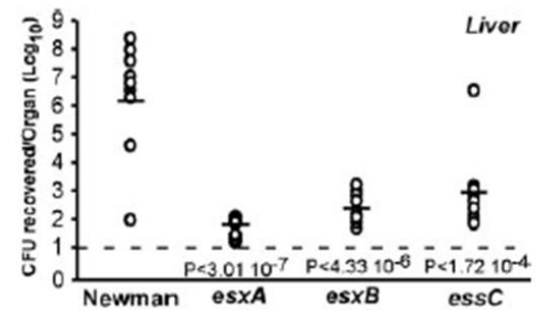


EsxA and EsxB are secreted by an ESAT-6-like system that is required for the pathogenesis of *Staphylococcus aureus* infections

Monica L. Burts, Wade A. Williams, Kristin DeBord, and Dominique M. Missiakas\*

Department of Microbiology, University of Chicago, Chicago, IL 60637

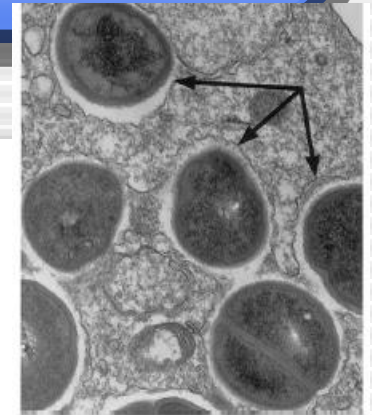
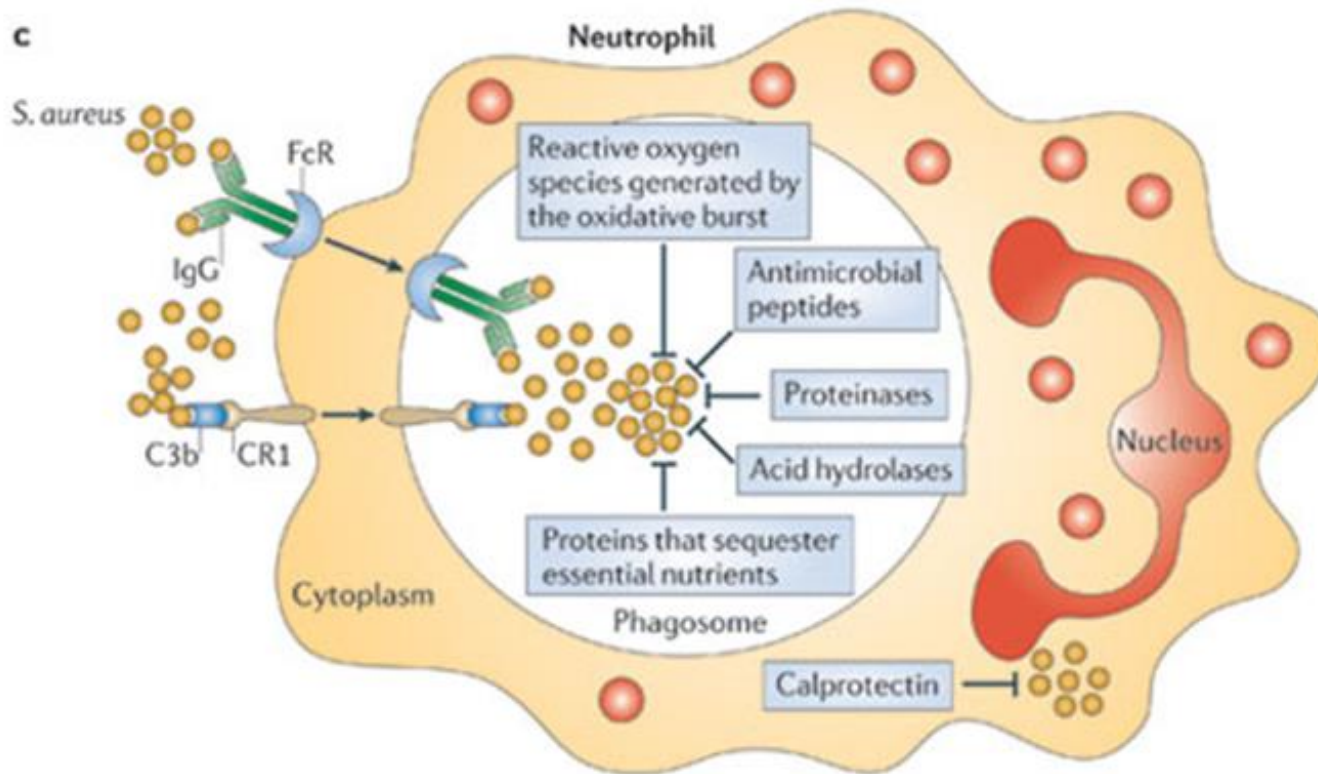
PNAS | January 25, 2005 | vol. 102 | no. 4 | 1169-1174



# Every project must have aims!

1. What does the ESX system secrete?
  - Proteomic approach
2. What role does ESX have in virulence?
3. How can we treat patients infected with ESX-containing *S. aureus*?

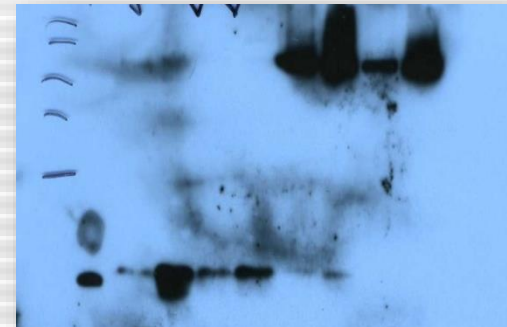
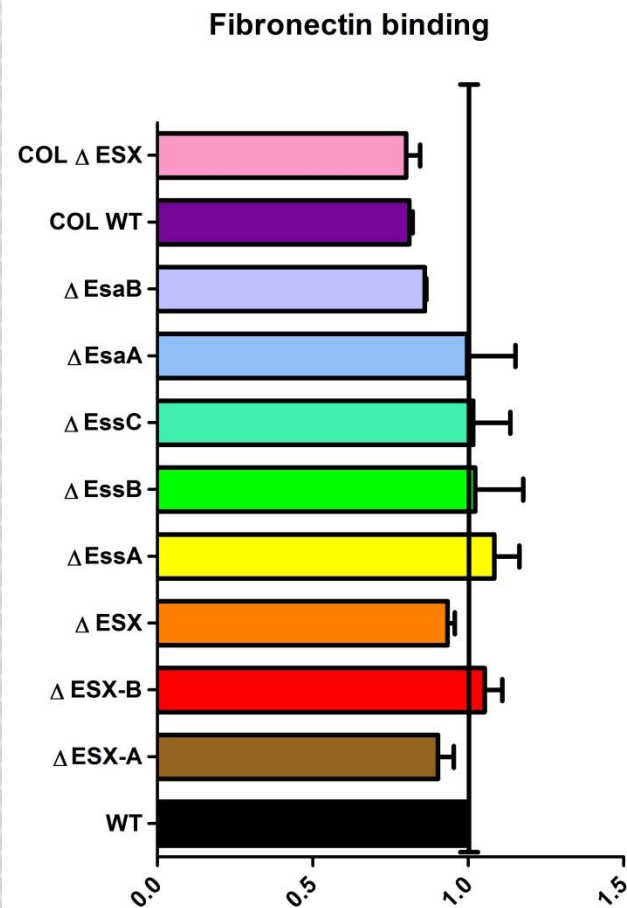
# Neutrophils and ESX



Hattie et al 2000

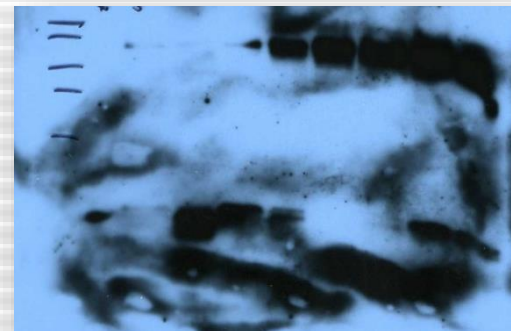
# I managed to get some results!

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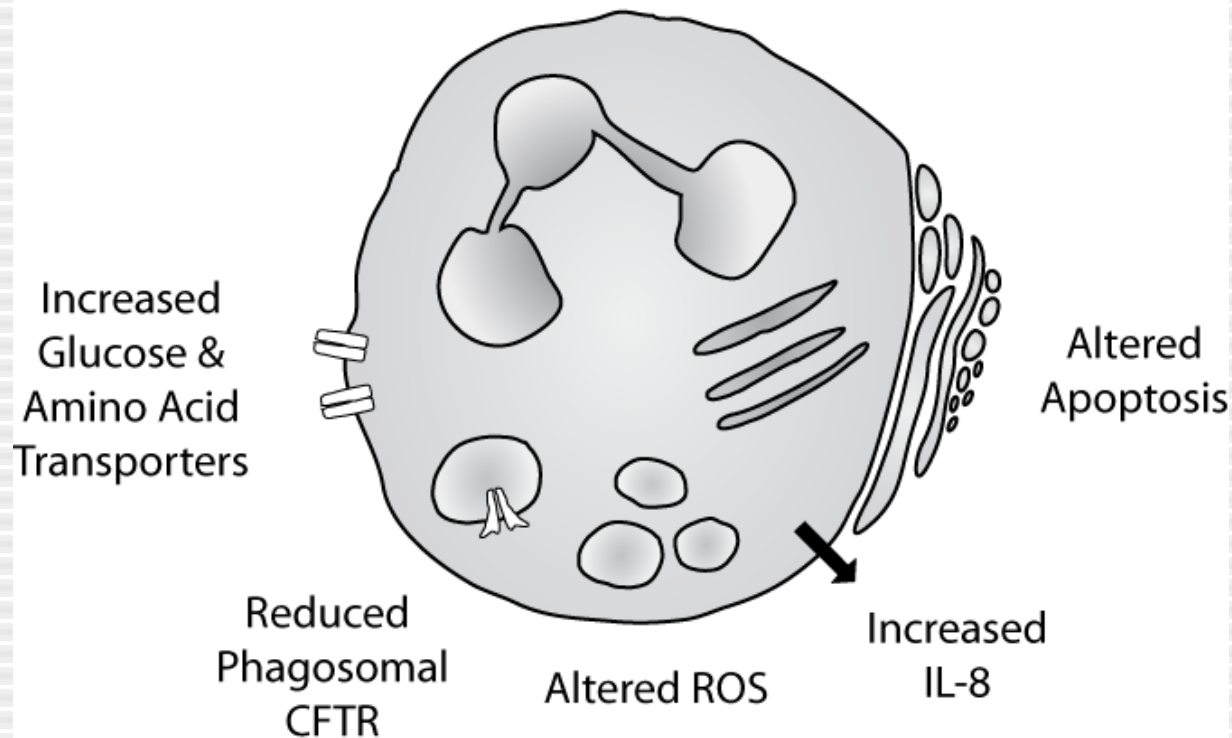
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# Review article

## The Neutrophil in Cystic Fibrosis



# What's next?

- National training number
- SCREDS: 20 %  
academic, 80% clinical
- PhD
- Clinical lecturer
- Professor
- Take over the world



# My key points

- Not ENTIRELY necessary to have research experience before applying - I didn't - but it helps as it can be competitive
- Focus on becoming most caring and competent doctor you can - patients stay at the centre not you or your career!
- Choose your supervisor carefully - almost more important than the topic
- Plenty of avenues into research after FY



Any questions?

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