

The Nuts and Bolts of Academic Job Search

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in collaboration with

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Academic cycle

- Preparation of application packet as early as possible
- Submit application packet (Sept./Oct. some at end of July)
- Attend field specific meetings (BMES, MRS, AIChE), during Fall
- 1st Interview (usually December to March)
- 2nd visit (usually March to May)
- Negotiate and accept/decline offer (May-June)
- Start position (July/August/Sept)
- Most decisions occur during academic year



Where to find advertised positions?

- Academic journals (Science, Nature, etc.)
- Society newsletters, journals and websites
 -BMES, SFB, MRS, TERMIS, AIChE, ACS
- Departmental websites
- Emails to your department head/advisor
- Conference postings
- Talking / networking
- Other sources:

http://www.academickeys.com

"http://nextwave.sciencemag.org/cdc/"





Application package

(Ask your friends, lab mates, mentors for examples and have them review)

- Cover letter
- CV
- List of references (3-5)
- Research plan (1-15 pages)
- Teaching statement (~1 page)

What are they looking for?

Why would they pick you over the other 200 applicants?

- Great reference letters
- Publications!
- Presentations, grants/fellowships, awards
- Does your research plan fit in with their wants and needs?
- Relevant background, ability to teach core curriculum
- Pedigree
- Ability to work in multiple areas (funding)



PROPOSAL

Why would they pick you over the other 200 applicants?

- You should aim for a good story (VISION)
- what is hot in your field (nature, science)
- what are key limitations of your field
- complements existing expertise
- Proposal may have 3 core ideas
 - 5 page proposal
 - 1. STORY (how do three ideas connect)
 - 2-4. Motivation, aims, strategy (like grant)
 - 5. References

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Interview day

- 1-2 days long
- 20-30 minute meetings with faculty
- Seminar
- Teaching?
- Research plan seminar (i.e. chalk talk)?
- Meetings with students
- Meetings with department head, dean
- 2nd trip usually with an offer



Interview Day Tip



"This is the job that I have always wanted and I am going to get it"

"I am a leader in this field and have vision with a significant impact"

It WILL be tiring, but also FUN...



Interview killers

- Lack of enthusiasm
- Inability to interact well with the faculty
 - You are becoming a part of their family
 - Be personable
- Do not fit the vision or direction
- Do not have the background to teach



Interview killers

- Lack of original or clear research plan
 - Lacking focus and originality
 - Know the specific aims of your first proposals
 - Have a timeline about which grants and when you want to apply?
 - How is your research different than others in the field?
 - How is what you're doing significant?



What's included in the offer?

- Salary (9-months+some summer salary)
- Equipment/supplies money
- Graduate student support
- Lab space
- Reduced teaching load during 1st year

Get everything in writing!



Additional things to consider

- Room to expand in the offer commensurate with indirect costs
- Administrative support
- Ability to be diverse in research
- Mentorship who?
- Proximity of lab space



"Negotiation" Time

Talk to your friends and mentors and LISTEN

Figure out: what is considered "reasonable"? what you need to succeed?

Find out: lab space considerations salary for grad students and others startup

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Sign it & Let the fun begin ©



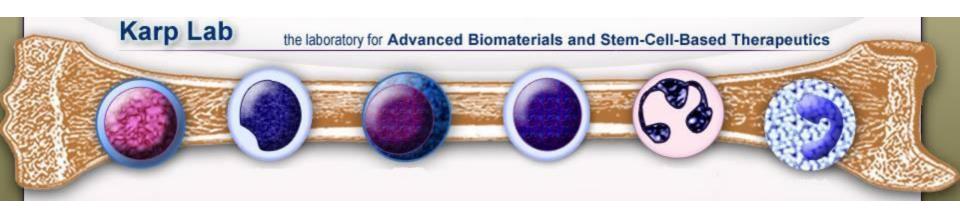
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