

Speaking About Science

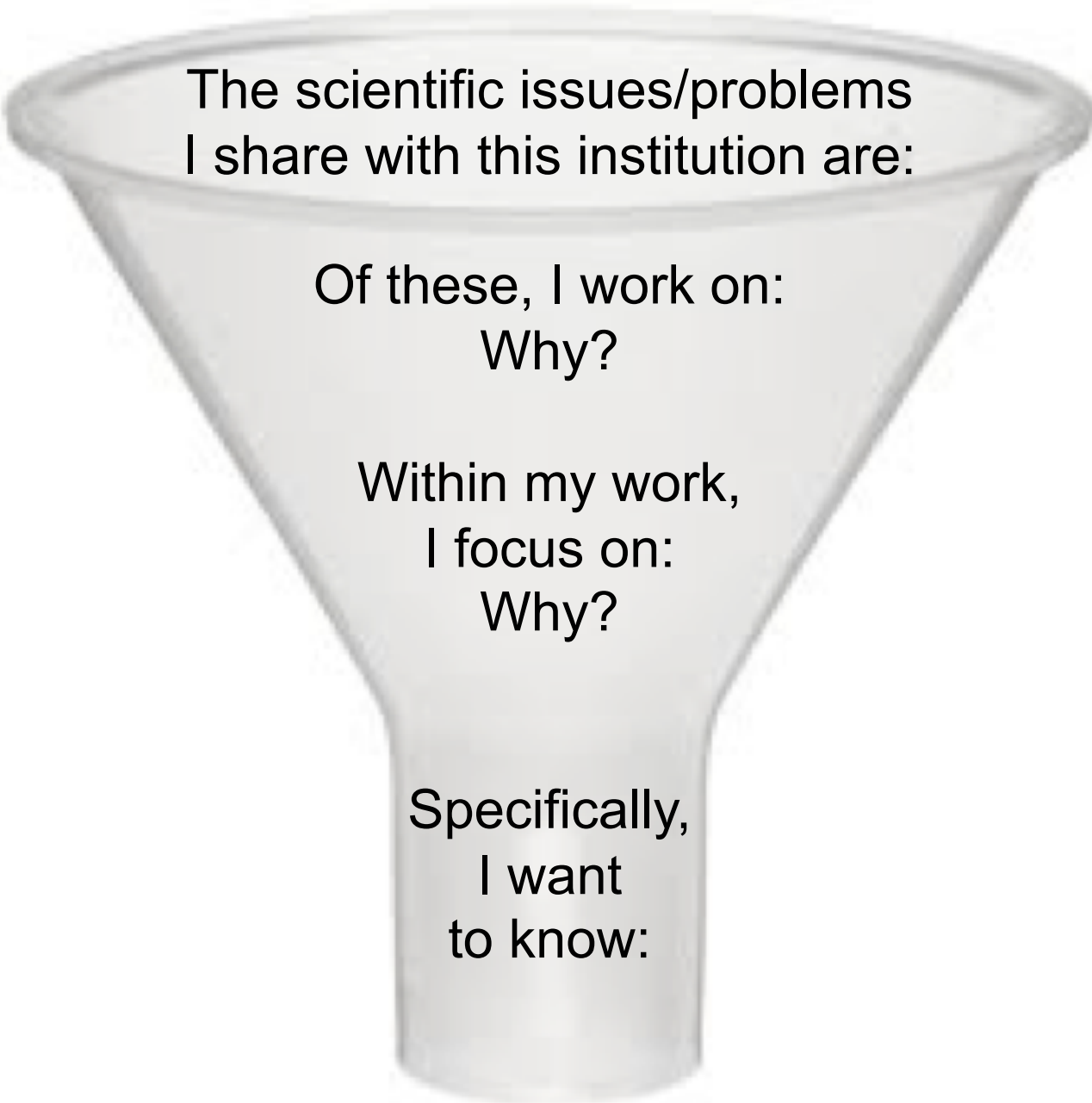


Interview Skills

Scott Morgan
The Morgan Group
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The Most Common Questions

1. Personal Background
2. Academic Background
3. Early Scientific Motivation
4. Specific Field Motivation
5. Current Work
6. 5-Year Plan
7. Strong Point
8. Weak Point
9. Why you?
10. Hypothetical Questions



The scientific issues/problems
I share with this institution are:

Of these, I work on:
Why?

Within my work,
I focus on:
Why?

Specifically,
I want
to know:

Current Work

(Common Ground, Job Talk Introduction, Elevator Speech)

1. The professional issues I share with this institution are:
2. Of these, I work on:
3. In my work, the most promising solutions/candidates are:
4. Because:
5. Specifically, I want to know:

Follow ups

- Nine snap shots (trigger words)

Nine Snap Shots

- GESP; 6 sibs; poem
- Autism; USAMRIID
- Doctors w/out Borders
- HIV/AIDS epidemic
- Viral immunity
- Prof/Phage
- Duke pharma; Medical Micro
- Baric lab
- Big Buddy/Little Buddy

Follow ups

- Nine snap shots (trigger words)
- Current work/elevator/template

Follow ups

- One-page resume

YU-YING HE, PH.D.

Office: 919-541-4751 • E-mail: he3@niehs.nih.gov

OBJECTIVE

To contribute strong laboratory skills and experience in a cancer research capacity.

LAB SKILLS

- cDNA microarray, Real-time PCR and data analysis
- Cloning, DNA construct development, Site-directed Mutagenesis, Transfection, Luciferase assay
- Adenovirus preparation and purification, Infection
- Confocal microscopy for real-time analysis and colocalization in fixed or live cells
- Apoptosis assays, DNA fragmentation assay, Caspase activity assay, Flow cytometry
- Western blotting, Immunoprecipitation, ELISA, Gel shift assay
- Immunocytochemistry & immunohistology
- Proliferation Assay (MTS, Brdu etc), Cytotoxicity Assay (LDH etc)
- Organic synthesis, HPLC, Mass spectrometry
- Cell culture, Primary keratinocyte isolation and culture, Mouse genotyping and phenotyping

SELECTIVE PUBLICATIONS

1. Yu-Ying He *et al.* Chronic UVA irradiation of human keratinocytes induces malignant transformation associated with acquired apoptotic resistance. *Oncogene*, in press, 2006.
2. Yu-Ying He *et al.* Delayed and sustained activation of extracellular signal-regulated kinase in human keratinocytes by UVA: implications in carcinogenesis. *J. Biol. Chem.* 2004.
3. Yu-Ying He *et al.* Epidermal Growth Factor Receptor Down-Regulation Induced by UVA in Human Keratinocytes does not require the Receptor Kinase Activity but depends on caspase activation. *J. Biol. Chem.*, 2003.
4. Yu-Ying He *et al.* Role of Reduced Glutathione Efflux in Apoptosis of Immortalized Human Keratinocytes Induced by UVA. *J. Biol. Chem.* 2003.

PATENTS

1. Li-Jin Jiang, Yu-Ying He and Jing-Yi An (1999): Preparation and application of 2-thiylethylamine cyclized hypocrellins. People's Republic of China Patent, dated 8. 3. 1999.
2. Li-Jin Jiang and Yu-Ying He (1999): Preparation of glycoconjugated hypocrellins. People's Republic of China Patent, dated 26. 4. 1999.
3. Li-Jin Jiang, Yu-Zhu Song and Yu-Ying He (1999): Preparation of 15-deacetyl-13-aminated hypocrellins. People's Republic of China Patent, dated 14. 12. 1999.

ACADEMIC EXPERIENCE

Visiting and Research Fellow, National Institute of Environmental Health Sciences, National Institute of Health, Research Triangle Park, NC, 2001-Present

Alexander von Humboldt Research Fellow, University of Erlangen-Nuernberg, Erlangen, Germany, 2000-2001

EDUCATION

- **PhD in Organic Chemistry**, Institute of Photographic Chemistry, Chinese Academy of Sciences, Beijing, China, 2000
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Follow ups

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- Current work/elevator/template
- One-page resume
- scott@morgangp.com

You are not a drop
in the ocean

You are the entire
ocean in a drop.

Rumi

Interview Skills
Scott Morgan
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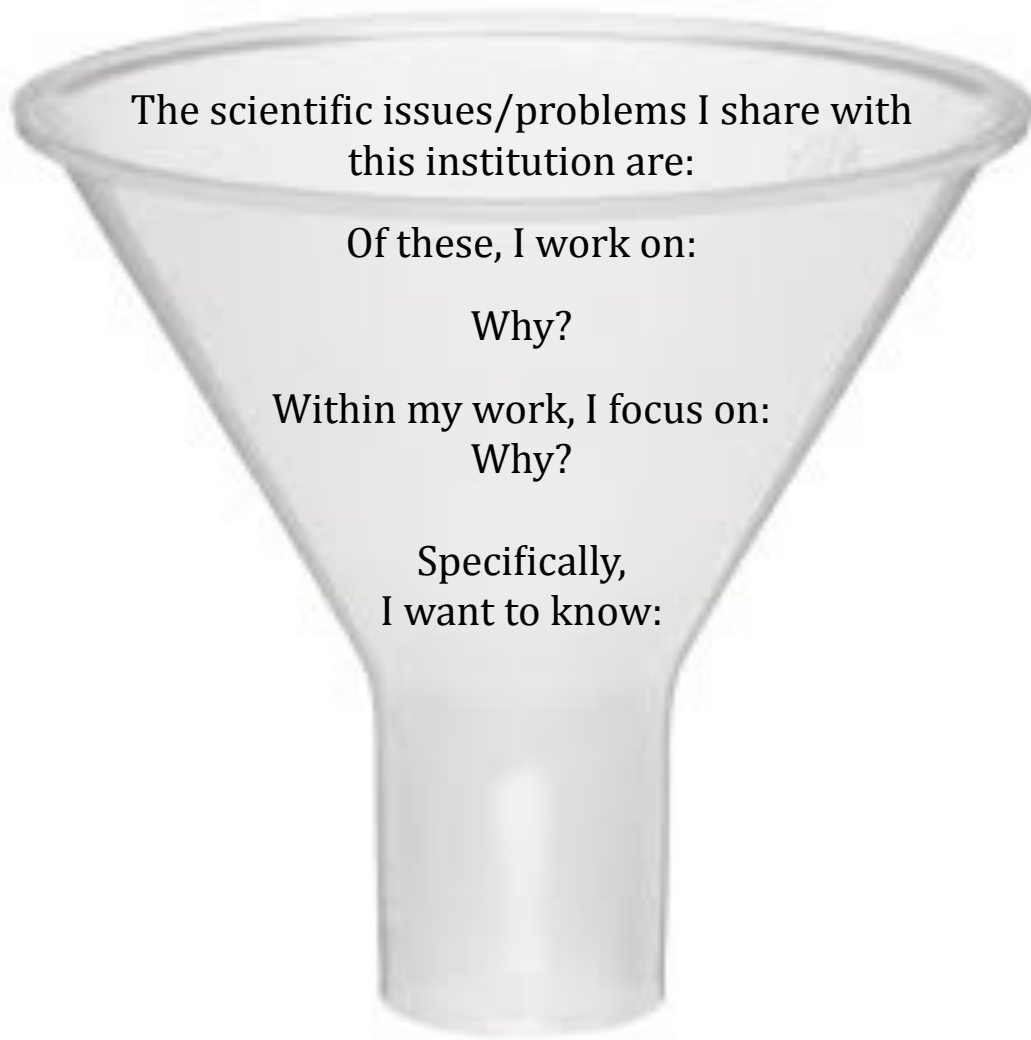
THE TEN MOST COMMON QUESTIONS

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4. Specific Field Motivation
5. Current Work
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7. Strong Point
8. Weak Point
9. Why you?

10. Hypothetical Questions

Photos/Images/Trigger Words

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.



COMMON GROUND

(For Question #5 above, for job talk introductions and elevator speeches)

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Of these, I work on _____,

because _____.

Within my work, I focus on _____.

because _____.

More specifically, I want to know _____.