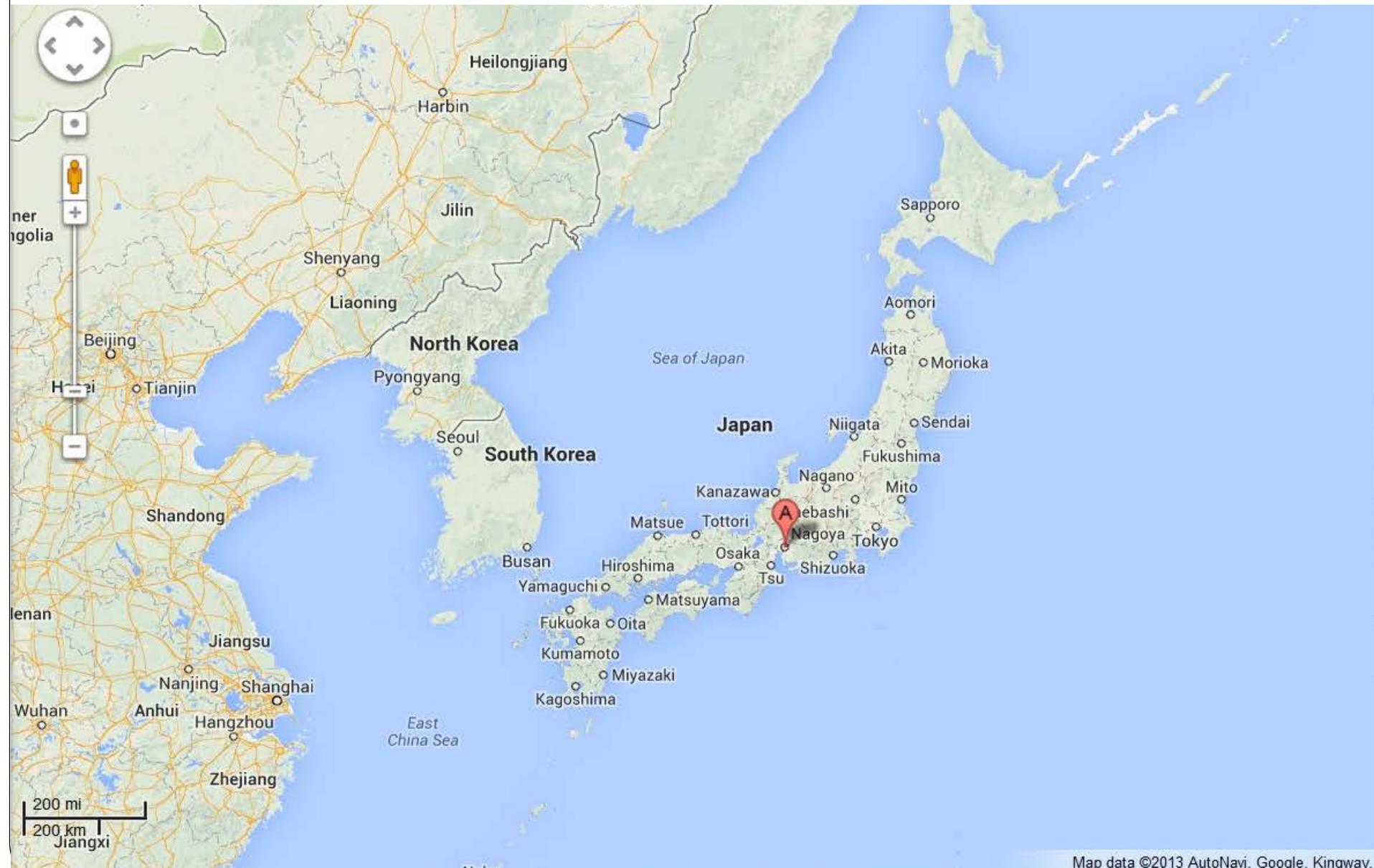


Careers in Science & Engineering Symposium

Session 1: Teaching at Undergraduate-only College

Rose-Hulman Institute of Technology
Dr. Fumie X. Sunahori

Personal Information



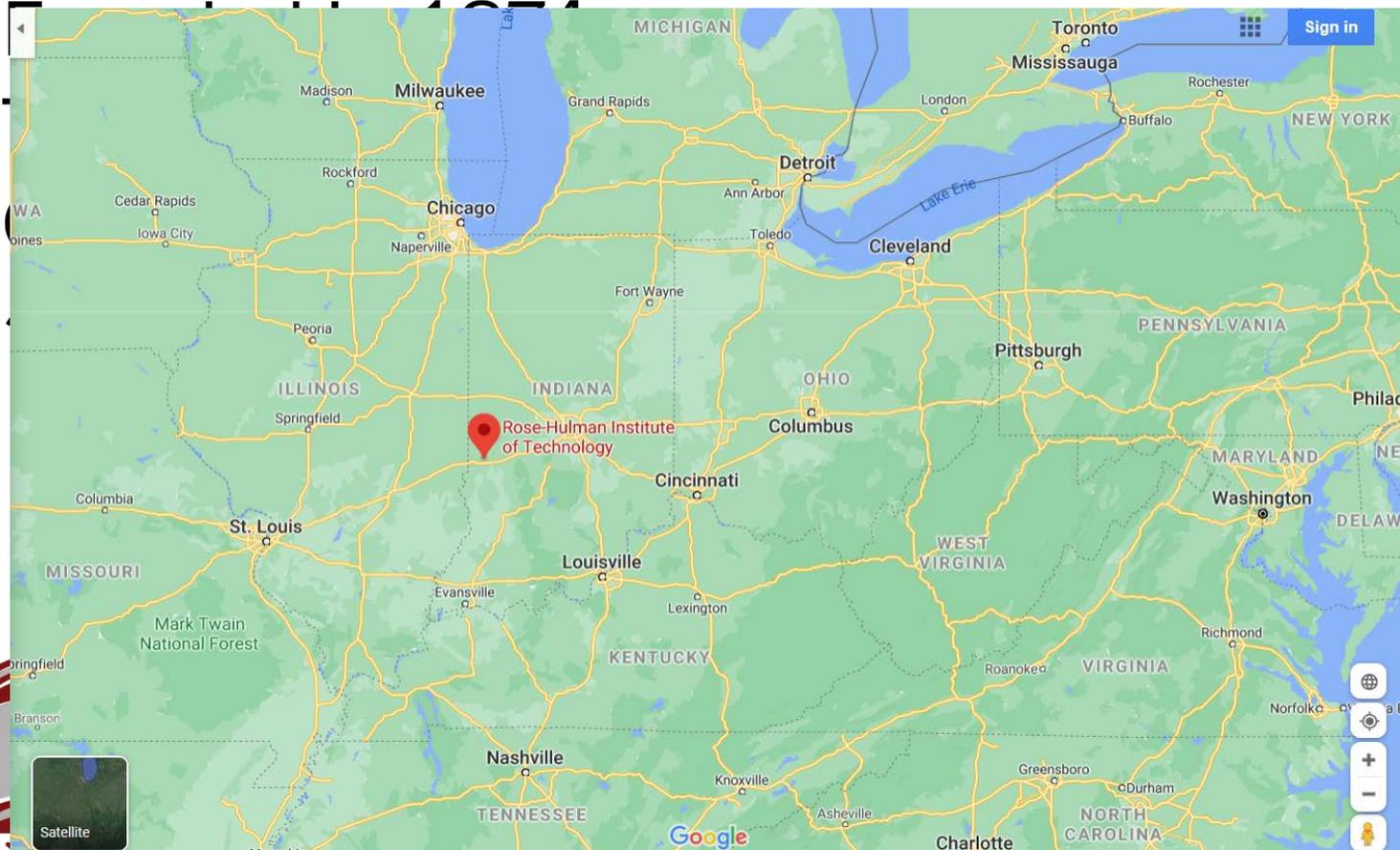
Career Decisions

- Came to the US at the age of 21
 - Wanted to be a medical doctor
- Majored in pre-med/Bio first
 - Quickly realized that I should change majors
- Graduated with Chem-major & Math-minor
 - What next? Grad school?
- Studied Physical Chemistry at UK
 - Originally interested in Biochem...

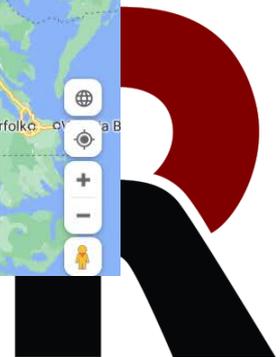
Career Decisions (Cont'd)

- Successfully defended thesis!
 - What next? Find a job? Post-doc?
- What after post-doc?
 - Stay in academia? Go to industry? National lab?
- What kind of school should I teach?
 - R1? Undergraduate only? Liberal arts?
- Build teaching experiences
 - UK → Rose → Franklin College → Rose

- Undergraduate engineering school



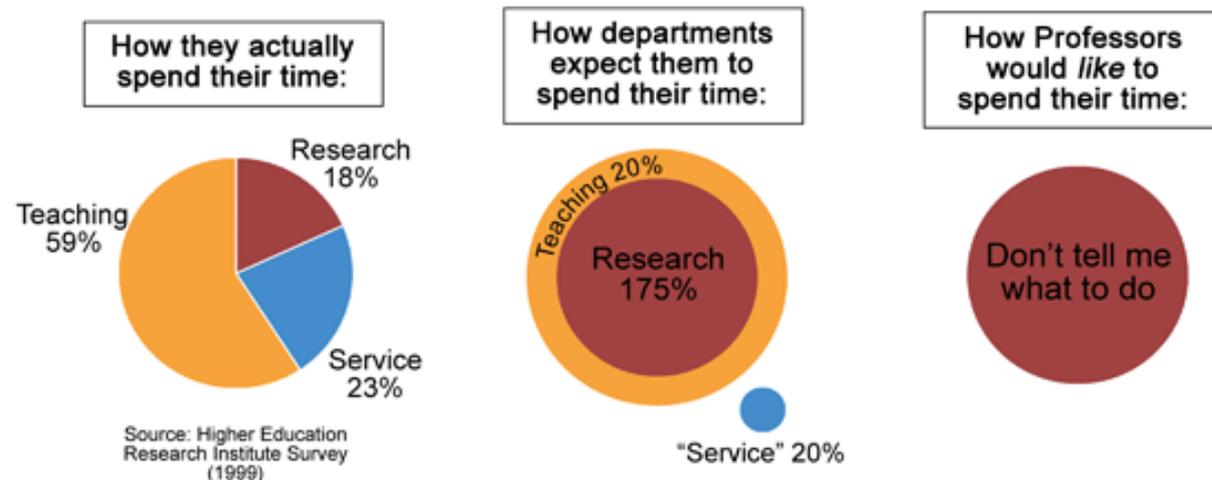
college



My Duties at Rose-Hulman

- Chemistry and Biochemistry Department
 - 11 Faculty (3 physical chemistry)
- Main Duties/Responsibilities
 - Teaching
 - Research
 - Service

HOW PROFESSORS SPEND THEIR TIME



Teaching

- General Chemistry
- Physical Chemistry
- Upper level elective
- Independent research
- Study abroad course
 - Food and Drink in Japan
- Seminar

Dr. Sunahori Fall 20 Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday	
Period 1 8:00 - 8:50						
Period 2 9:00 - 9:50		CHEM111-03 G310	CHEM111L-53 E 104	CHEM111-03 G310	CHEM111-03 G310	
Period 3 10:00 - 10:50						
Period 4 11:00 - 11:50	Office Hour	CHEM111-04 G310		CHEM111-04 G310	CHEM111-04 G310	
Period 5 12:00 - 12:50			Faculty Meeting			
Period 6 1:00 - 1:50			Office Hours		Research	
Period 7 2:00 - 2:50	CHEM111L-51 E104	CHEM111L-52 E104				Office Hours
Period 8 3:00 - 3:50						
Period 9 4:00 - 4:50						

Research: Matrix Isolation Spectroscopy

- 2 undergraduate students
- Computational chemistry
- Molecular spectroscopy



Service

- Committees
- Academic advising
- Chaperone students to conferences
- Research advising



Typical Yearly Schedule

September '20						
Su	M	Tu	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

October '20						
Su	M	Tu	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

November '20						
Su	M	Tu	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

- Fall Quarter
- Break
- Winter Quarter
- Final Exams
- Spring Quarter
- Professional Development

December '20						
Su	M	Tu	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

January '21						
Su	M	Tu	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February '21						
Su	M	Tu	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March '21						
Su	M	Tu	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April '21						
Su	M	Tu	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May '21						
Su	M	Tu	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June '21						
Su	M	Tu	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

July '21						
Su	M	Tu	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August '21						
Su	M	Tu	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Pros

- Lots of interactions with students
- Long s
- Not m
- publish
- Flexibil
- \$\$

Cons

- Lots of interactions with students

Assoc. Professor - Chemistry Salary in the United States

[Search More Jobs](#)

[Change City](#)

How much does an Assoc. Professor - Chemistry make in the United States? The average Assoc. Professor - Chemistry salary in the United States is \$75,590 as of July 27, 2020, but the range typically falls between \$59,180 and \$110,787. Salary ranges can vary widely depending on many important factors, including education, certifications, additional skills, [the number of years](#) you have spent in your profession. With more online, real-time compensation data than any other website, Salary.com helps you determine your exact pay target.

[Epidemic Outbreak - Will I Lose My Job or Get a Decrease in Salary?](#)



<https://www.salary.com/research/salary/benchmark/assoc-professor-chemistry-salary>

- ✓ Try it out (if possible)
- ✓ Do what you ENJOY!

nths

h

p new

In Free Time...



Things I love to do:



Mushroom hunting



Thank You!

- Questions?

