

# Don't Just Work, Thrive

Building a Fulfilling Career

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bp Chief Scientist & VP, bioenergy & hydrogen technology  
Chair, NBIC Industrial Advisory Board

Technology



Microbial Induced Corrosion (MIC) of a soured gas/water pipeline

# My career story...not straight!

## Student

BSc and MSc in biology (Brock University, Canada), PhD in Microbiology & Immunology (McGill University, Canada)

- Bovine adenovirus towards a viral vaccine
- Genetic regulation in *Pseudomonas aeruginosa*

## Postdoctoral Fellow

UCLA, Dept. Microbiology, Immunology & Molecular Genetics

- Methanogen physiology, genetic regulation of methanogenesis (*Methanosarcina* species)
- Aerobic/anaerobic genetic control in *E. coli*

1a

1b

2

3

4

5b

5a

5c

5d

5e

5f

## Research Faculty

UC Irvine, Dept. Microbiology & Molecular Genetics

- Cancer genetics (p53 rescue mutations)
- GEN2 biofuels
- Improved synbio tools for libraries and yeast
- Senior Microbiology Course

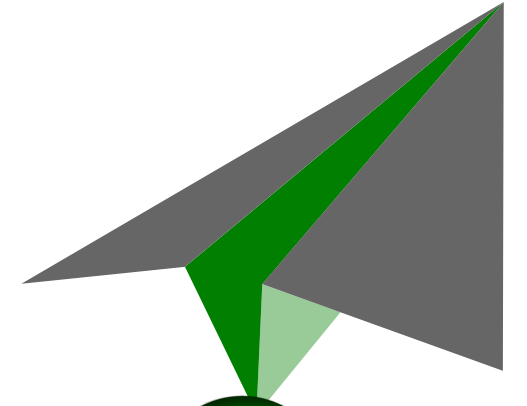
## Biotech Startup

Director Renewable Fuels  
Verdezyne

- GEN2 biofuels

bp

- a: Head of Research, bp Biofuels
- b: Director, bp Biosciences Center
- c: Seconded to strategy on the circular economy
- d: Senior Advisor, expat assignment to the UK
- e: VP advanced bio & physical sciences
- f: Chief Scientist, VP bioenergy & hydrogen technology



# Ask yourself the question...

Question: How do you see your job (or future job)?

The average adult spends 90,000 of hours at work over a lifetime!

Question: How do you see yourself thriving at work?

- Enjoy your work
- Have opportunities
- Feel a sense of purpose and accomplishment

# How did I get here?

I loved science and loved the lab

I want to make the world a better place

I kept taking chances: no solid plan – followed my interests

Be a life-long learner (I don't like to stay flat)

Tap into self-motivated, passion-driven learning

You only grow when you're uncomfortable.

Find a mentor that you click with

Always think about the next thing: not just the now

Be the hero of your own story!

# How to thrive at work

Growth  
mindset

Self-care

Seek out  
opportunities

Build strong  
relationships

Network

