

# THE ANTIBIOTIC HUNTERS



## EXPERT BIOS

Experts in or from Canada:

### **Naowarat (Ann) Cheeptham**

Cheeptham graduated from Chiang Mai University in Thailand and went on to graduate studies at Hokkaido University in Japan. She is one of the world's few experts on the microbial life of caves. She is now at Thompson Rivers University in Kamloops, British Columbia where she primarily studies the lava tube caves of the region.

<http://faculty.tru.ca/ncheeptham>



### **Monique Van Hoek**

A graduate of the University of Victoria and the University of Virginia, Van Hoek is a Canadian who has been teaching and researching at George Mason University in Virginia for 12 years. She searches for novel anti-microbials and anti-biofilm agents. Her lab is one of only a very few working on anti-microbial peptides from reptiles.

<http://ncbid.cos.gmu.edu/faculty-profiles/monique-van-hoek>



### **Dr. David Patrick**

Dr. Patrick is with the University of British Columbia and the B.C. Centre for Disease Control, and studies interdisciplinary approaches to managing emerging infectious diseases. He's the head of "Do Bugs Need Drugs?", a community program active across Canada to reduce the use of antibiotics in everyday life.

<http://www.bccdc.ca/util/about/UBCCDC/People/Faculty/DrDavidPatrick.htm>



### **Julian Davies**

Ann Cheeptham calls Davies "The grand old man of industrial microbiology". In his lab at the University of British Columbia, Davies searches for promising microbial products that could make new antibiotics. His lab also focuses on antibiotic resistance through bacterial signaling. <https://www.microbiology.ubc.ca/research/labs/davies>



### **Ameer Manges**

Manges, also with UBC and the B.C. Centre for Disease Control, is an epidemiologist who studies how microorganisms that normally live within us are involved in the maintenance of health. She also works on the relationship between the E. coli that cause infections outside of the intestine (like urinary tract or bloodstream infections) and food safety.

<http://mangeslab.med.ubc.ca>



Experts in the US:

### **William Gerwick**

Bill Gerwick is with the Scripps Institution of Oceanography, University of California at San Diego. He focuses on the unique natural products of marine algae and cyanobacteria and their application in various areas of medicine. He's won many awards for his work in marine natural products. He's head of the International Collaborative Biodiversity Group in Panama. <http://scrippsscholars.ucsd.edu/wgerwick/biocv>



### **Roger Linington**

Using a unique high-throughput screening process developed in his lab at the University of California, Santa Cruz, Linington is trying to discover new compound classes for drug development against pathogenic bacteria, cancer, and global health parasites. At UBC in Vancouver, he was a student of Ray Andersen, Canada's pre-eminent natural products drug researcher. He's an integral part of the International Collaborative Biodiversity Group in Panama. <http://linington.chemistry.ucsc.edu>



### **Betsy Arnold**

Arnold roams the world from her lab at the University of Arizona searching for fungi and researching its role in different kinds of ecosystems. She also studies the chemical components of fungi that allow them to compete with other microbes. <http://www.arnoldlab.net>



### **Jim Collins**

Collins has just moved his lab and his affiliation from a cross-appointment with Boston and Harvard Universities to The Broad Institute at the Massachusetts Institute of Technology:

[http://collinslab.mit.edu/contact\\_us.html](http://collinslab.mit.edu/contact_us.html)

He works on network biology approaches to antibiotic action and bacterial defense mechanisms.

