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Robert Sobel

CEO at Bedoukian Research, Inc.

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Bedoukian Research, Inc.

Northern Illinois University

About

Robert M. Sobel, Ph.D. is the CEO of Bedoukian Research Inc. Prior to that, Bob served McCormick Flavor Solutions as Vice President of Research and Innovation. He led technology and innovation efforts in the area of new and novel flavor encapsulation delivery systems, taste modification, and the employment of artificial intelligence for automated flavor analysis. He has over 25 years of industrial flavor R&D experience and began his career at FONA International in Geneva, Illinois. Dr. Sobel has taught general chemistry, organic chemistry, quantitative chemical analysis, instrumental analysis, and management of learning organizations. He has published manuscripts in Analytical Chemistry, The Journal of Chemical Education, ACS Omega, Perfumer & Flavorist, and is the editor of "Microencapsulation in the Food Industry." Dr. Sobel is the lead faculty of Flavor University™ and has given a variety of technical symposia on topics such as controlled release of flavor, neuroscience of flavor perception, machine learning with electronic sensing, and strategic innovation management. He is the primary inventor on over 20 patent matters. Bob received a B.S. in Chemistry from Northern Illinois University, his M.A. in Educational Leadership from Aurora University, and his Ph.D. in Chemistry from Northern Illinois University. Dr. Sobel belongs to the following professional societies: The American Chemical Society (Separations Division), Institute of Food Technologists, American Radio Relay League, and the American Association for the Advancement of Science. Specialties: Microencapsulation. Nanoencapsulation. Controlled release. Separations. Artificial Organoleptic Evaluation. Flavor Delivery. Taste Modulation and Modification. Sodium Reduction. Innovation Management. Precision Fermentation. Biosynthesis.

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CEO at Bedoukian Research, Inc.
3w · Edited ·

I'm continually inspired by the people who make up the heart of BRI. At our Annual Company Meeting, I had the privilege of witnessing our teams... more

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The Faces Behind Science & Service!

At our Annual Company Meeting, te... more

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Robert Sobel reposted this

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Happy New Year from all of us at Bedoukian Research! 🌟

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People you may know

From Robert's job title

Thomas Geraghty · 3rd+
\$100M+ in PI Cases Won | BJJ Black Belt & Professor | AI Systems Deploy...

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Chief Executive Officer
Bedoukian Research, Inc. · Full-time
Nov 2025 - Present · 5 mos
United States · On-site



Board of Governors
Flavor and Extract Manufacturers Association · Full-time
May 2024 - Present · 1 yr 11 mos



Vice President Research & Innovation
McCormick & Company
May 2004 - Nov 2025 · 21 yrs 7 mos
Geneva, Illinois
Responsibilities include: Technology and Innovation Management for NA McCormick Flavor Solutions; lead faculty member of Flavor University.
💡 Thought Leadership, Creativity and Innovation and +1 skill



Research Assistant
Northern Illinois University
Aug 2000 - May 2004 · 3 yrs 10 mos
Development of electronic nose technology or use in the food and flavor industry. Thesis: Flavor Analysis by Surface Acoustic Wave Microsensor Arrays and Artificial Neural Networks. Research Advisor: David ... more



Chemistry & Physics Instructor
Bartlett High School
Aug 1998 - May 2000 · 1 yr 10 mos

Education



Northern Illinois University
Ph.D., Chemistry
2000 – 2004



Aurora University
Master's Degree, Educational Leadership and Administration, General
1998 – 2000

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Volunteering



Advisory Board STEM Education (MASTER Program)
Wheaton Academy
Mar 2013 - Present · 13 yrs 1 mo
Education
Scientific advisor for the development of STEM related curricula and serve as a industrial liaison to academia.



Alumni Advisor for Sciences and Business Networking
NIU College of Liberal Arts and Sciences Alumni Advisory Board
Apr 2013 - Present · 13 yrs
Science and Technology
Provide guidance and recommendation on CLAS activities as they relate to business and grant opportunities.

Skills

Creativity and Innovation

🏢 Vice President Research & Innovation at McCormick & Company

Organizational Leadership

🏢 Vice President Research & Innovation at McCormick & Company

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Ray-Ray Farrales · 3rd+
Executive Director at JP KidsArts

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· 3rd+
Chief Executive Officer at Gifford Neurology Institute

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Jennifer Racioppi · 3rd+
CEO & Founder at Executive Lifestyle Management

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Executive Director at North Dakota Office of Guardianship and ...

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Recommendations

Received (3)

Given (2)



David Ballantine · 3rd+
Associate Professor at Northern Illinois University
August 25, 2008, David managed Robert directly

Robert (Bob) Sobel worked as a Teaching Assistant in the Chemistry Department, and performed his dissertation research under my direction here at NIU.

Bob is one of the brightest, hard-working, and organized individuals it has been my pleasure to know. During his dissertation research, he became the "expert" on the topic under study and I probably learned more from him than he did from me. He brought a level of expertise and creativity to his research that far ... more



Victor C. · 3rd+
English Language Arts, ELL & French Teacher at Waukegan High School
August 24, 2008, Victor worked with Robert but on different teams

Bob Sobel was well respected by the students for being a fun teacher with whom they learned a lot. He was always professional and worked hard at being the best AP teacher he could be.

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Publications

Microencapsulation in the Food Industry: A Practical Implementation Guide (Second Edition)

Academic Press · Sep 30, 2022

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Microencapsulation in the Food Industry: A Practical Implementation Guide, Second Edition continues to focus on the ... more

Other authors



+8

Synthesis of Menthol Glycinates and Their Potential as Cooling Agents

ACS OMEGA (ACS Publications) · Feb 13, 2020

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A convenient method of synthesis has been developed for a new class of potential cooling agents, menthol glycinates. ... more

Other authors



+4

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Patents

Micro Encapsulation Using High-Voltage, Low-Current, High Frequency Alternating-Current Spray Atomization

US12201134B2 · Issued Jan 21, 2025

Show patent ↗

Disclosed is a spray drying system and process for encapsulating a core material, such as a volatile flavor oil, within a ... more

Method for preparing an encapsulated product and product

EU EP3250315B1 · Issued Apr 29, 2020

Disclosed is an electrostatic spray drying process for encapsulating a core material, such as a volatile flavor oil, within a ... more

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Chairman, O'Leary Ventures and Beanstox

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Steven Williams

EVP and Vice Chairman, PepsiCo

105,144 followers

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