

CBE 'Biofilm' Timeline Photos from the 2007 CBE Annual Report

Editor's note: I wish we could have gotten pictures of everybody in the report, but it just wasn't possible. So, if you can't find your picture—sorry! And if you did find your picture in the report—sorry! Please notify me if corrections are necessary, and I will be happy to revise this file. —Peg Dirckx, peg_d@biofilm.montana.edu

Front cover

People, top, left to right:

Alison Rhoads, MS, C/EnvE, 2004

CBE archives

Ben Klayman, PhD, EnvE, 2007

CBE archives

Suriani Abdul Rani, MS, ChBE, 2006

CBE archives

Holly Reinemer Berg, undergraduate researcher

CBE archives

Pat Secor, undergraduate researcher;

PhD candidate, Cell Biology

CBE archives

People, bottom:

Eliora Bujari, visiting student, New York, 2007

Christopher Groth, visiting student, New York, 2007

CBE archives

Microscope images:

Top left: Confocal Scanning Laser Microscopy

Susana Sanchez-Gomez, visiting researcher, 2007

Middle left: Stereomicroscopy

Alessandra Agostinho, staff researcher

Top right: Confocal Scanning Laser Microscopy

Steve Fisher, staff researcher

Bottom right: Confocal Scanning Laser Microscopy

Steve Fisher, staff researcher

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Top: Phil Stewart, CBE director

CBE archives

Bottom: W.G. (Bill) Characklis, CBE founding director

Rob Wilke, Wilke Photographics

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Allan Hamilton, visiting researcher, Scotland

Rob Wilke, Wilke Photographics

Satoshi Okabe, PhD, CE, 1992

Gabriele Walser, MS, C/EnvE, 1990

Robert Huddleston, industry, Conoco

CBE archives

Robert Mueller, MS, C/EnvE, 1990; PhD, CE, 1994

W.G. Characklis Award, 1993

Rob Wilke, Wilke Photographics

Mike Trulear, PhD, CE, MSU, 1983

CBE archives

Rune Bakke, MS, EnvE, MSU, 1983;

visiting scientist, Norway

CBE archives

Kevin Marshall, visiting researcher, Australia

Rob Wilke, Wilke Photographics

Two unidentified industrial members, *left,*

and Bill Characklis, *right*

CBE archives

David Davies, MS, Micro, MSU, 1987; PhD, Micro, 1995

W.G. Characklis Award, 1996

CBE archives

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Grant Writing Group

CBE archives

Upper layer:

Diane Williams, staff

CBE archives

Ron Larson, faculty, ChBE

Rob Wilke, Wilke Photographics

John Sears, faculty, ChBE

Rob Wilke, Wilke Photographics

Warren Jones, faculty, CE

Rob Wilke, Wilke Photographics

From bottom left, up & around:

Frank Roe, staff researcher

Rob Wilke, Wilke Photographics

Susan Cooper, staff

CBE archives

Alexander (Sandy) Sharp, industry, Westvaco

W.G. Characklis Award, 1992

Rob Wilke, Wilke Photographics

Mike Winters, industry, Amoco Corporation

CBE archives

Al Cunningham, faculty, CE

CBE archives

Anne Camper, PhD, CE, 1995; faculty, CE

Special Recognition Award, 1994

Rob Wilke, Wilke Photographics

Zbigniew Lewandowski, faculty, CE

CBE archives

Gordon McFeters, faculty, Micro

CBE archives

Peg Dirckx, staff

CBE archives

Nick Zelter, staff

Rob Wilke, Wilke Photographics

Phil Bremer, postdoctoral researcher, New Zealand

Rob Wilke, Wilke Photographics

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Brent Peyton, PhD, ChE, 1992; faculty, ChBE

CBE archives

Paul Sturman, MS, C/EnvE, 1991; PhD, CE, 2004;

faculty, CE

CBE archives

Phil Stewart, faculty, ChBE; Director, 2005–

MSU News Services

Paul Stoodley, staff researcher

CBE archives

Gill Geesey, faculty, Micro

Rob Wilke, Wilke Photographics

Oskar Wanner, visiting researcher, Switzerland

Rob Wilke, Wilke Photographics

Marty Hamilton, faculty, Statistics

Rob Wilke, Wilke Photographics

Bryan Warwood, staff researcher

CBE archives

Rick Rosser, industry, Saudi Aramco

CBE archives

Robert Huddleston, industry, Conoco
W.G. Characklis Award, 1992
CBE archives
Alma Weightman, staff
Rob Wilke, Wilke Photographics
Britt Peschke Ide, NSF-REU, undergraduate;
MS, C/EnvE, 1996
CBE archives
Sara Sanderson, NSF-REU, undergraduate;
MS, C/EnvE, 1996
CBE archives
Bill Characklis
CBE archives

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J.W. (Bill) Costerton, CBE director, 1993-2004
CBE archives
Rohini Srinivasan, MS, ChE, 1994
MSU News Services
Rick Veeh, PhD, Soil Sci, 1993
CBE archives
Dirk DeBeer, postdoctoral researcher,
The Netherlands
Rob Wilke, Wilke Photographics
Gary Horacek, industry, Nalco Chemical Co.
CBE archives
Bill McCoy, industry, Nalco Chemical Co.
TAC chair, 1992-94
CBE archives
Shannon Bakich, MS, Micro, 1995;
industry, S.C. Johnson & Son,
MSU News Services
James Bryers, faculty, ChE
Rob Wilke, Wilke Photographics
Eric Wentland, MS, ChE, 1995; d. 1996,
CBE archives
CSLM imaging, *Paul Stoodley*

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Chris Wend, MS, C/EnvE, 1994; PhD, EnvE, 2000
W.G. Characklis Award, 1999
CBE archives
John Neuman, staff, laboratory manager
CBE archives
Mark Reinsel, PhD, ChE, 1995;
W.G. Characklis Award, 1994
CBE archives
David Chen, postdoctoral researcher, Taiwan
Rob Wilke, Wilke Photographics
Betsey Pitts, staff researcher
CBE archives
Elinor Pulcini, PhD, Micro, 2001
W.G. Characklis Award, 2000
CBE archives
Raj Mirpuri, PhD, ChE, 1995
W.G. Characklis Award, 1995
MSU News Services
Linda Robertson, industry, Nalco Chemical Co.
CBE archives
Robert Sharp, PhD, CE, 1995
W.G. Characklis Award, 1995
MSU News Services
Santiago Villaverde, visiting researcher, Spain
Rob Wilke, Wilke Photographics

Rodney Donlan, industry, Calgon; scientist, CDC
TAC Chair, 1994-96
Rob Wilke, Wilke Photographics
Darla Goeres, MS, C/EnvE, 1995; PhD, CE, 2006;
faculty, ChBE
CBE archives
Tricia Cook, staff
CBE archives
Nick Cogan, MS, Math, 1996
CBE archives
James Howells, industry, Westinghouse-Savannah River,
CBE archives
Pierre Morin, visiting researcher, France
Rob Wilke, Wilke Photographics
Susan Olson, industry, Little Bear Laboratories
CBE archives

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Bo Olesen, visiting researcher, Denmark
CBE archives
Jon Geiger, industry, Olin / Arch Chemicals
TAC Chair, 1996-98
CBE archives
Mark Burr, staff researcher
Rob Wilke, Wilke Photographics
Julie Vransy, MS, ChE, 1996
CBE archives
Snowbird Resort, UT
CBE archives
Bill Adochio, NSF-REU undergraduate
CBE archives
Jayne Billmeyer, undergraduate researcher
CBE archives
Randy Hiebert, industry, MSE, Inc.; staff researcher
CBE archives
Jeralyn Brodowy, staff
CBE archives
Robin Gerlach, PhD, C/EnvE, 2001; staff researcher;
faculty, ChBE
W.G. Characklis Award, 2000
CBE archives
Ching-Tsan Huang, postdoctoral researcher, Taiwan
Rob Wilke, Wilke Photographics
SEM, *Rick Veeh*
Illustration of biofilm structure, *Peg Dirckx*

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Becky Herigstad, MS, Statistics, 2001
CBE archives
Phil Butterfield, PhD, CE, 1998
W.G. Characklis Award, 1997
CBE archives
Brian Ellis, PhD, Micro, 1999
W.G. Characklis Award, 1997
CBE archives
Dongxin (Karen) Xu, PhD, Micro, 1999
CBE archives
Ernest Visser, PhD, CE, 1998
CBE archives
Mike Franklin, faculty, Micro
Rob Wilke, Wilke Photographics
Joanna Heersink, undergraduate researcher
CBE archives

Haluk Beyenal, visiting researcher, Turkey;
staff researcher

CBE archives

Erin Karakas, undergraduate researcher

CBE archives

Joe Sauer, industry, Albemarle Corp.

CBE archives

Ursula Charaf, industry, S.C. Johnson

TAC Chair, 1998–2000

CBE archives

Calvin Abernathy, PhD, CE

W.G. Characklis Award, 1998

CBE archives

Scott Burnett, staff research assistant;

industry, Ecolab

CBE archives

Wayne Subcasky, industry, Chevron

CBE archives

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Pam McLeod, NSF-REU undergraduate researcher

CBE archives

Tami Capeletti, industry, Westinghouse-Savannah River

CBE archives

Marianne Huntley, industry, Warner Lambert Co.

CBE archives

Tom Palys, industry, Arch Chemicals

CBE archives

Ace Baty, PhD, Micro, 1999

CBE archives

Paul Berube, NSF-REU undergraduate

CBE archives

Pradeep Singh, visiting researcher, University of Iowa

CBE archives

Lone Mountain, Big Sky, Montana

CBE archives

Rotating annular reactor

CBE archives

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Christy Rabinovitch, undergraduate researcher

CBE archives

Mary Fitzgerald, NSF-REU undergraduate;

staff researcher

CBE archives

Margie Hansen, staff

CBE archives

Mark Shirliff, postdoctoral researcher

CBE archives

Carl Erkenbrecher, industry, DuPont

CBE archives

Judel Buls, MS, C/EnvE, 2000

CBE archives

Eric Kern, PhD, Micro, 2001

W.G. Characklis Award, 2001

CBE archives

John Komlos, PhD, CE, 2001

W.G. Characklis Award, 2001

CBE archives

Luanne Hall-Stoodley, staff researcher

Rob Wilke, Wilke Photographics

Barry Pyle, faculty, Micro

MSU News Services

Richard Walter, industry, Dow Chemical

TAC Chair, 2000–02

CBE archives

Kevin Kowalk, NSF-REU undergraduate

CBE archives

Abduhlmohsen Al-Human, industry, Aramco Services

CBE archives

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Nurdan Yurt, PhD, ChE, 2002

W.G. Characklis Award, 2002

CBE archives

Erin Werner, undergraduate researcher

CBE archives

Bob Orr, industry, Tyco Healthcare

TAC Chair, 2002–04

CBE archives

Mel Czechowski, industry, Church & Dwight

TAC Chair, 2004–2006

CBE archives

Alison Rhoads, MS, C/EnvE, 2004

CBE archives

Birthe Kjellerup, visiting researcher, Denmark

CBE archives

Georgia Boriello, visiting researcher, Italy

CBE archives

Woody Star, undergraduate researcher

CBE archives

Thomas Borch, PhD, PS&ESci, 2003

W.G. Characklis Award, 2003

CBE archives

Stephen Hunt, PhD, ChBE, 2004

W.G. Characklis Award, 2003

CBE archives

Margo Adgie, visiting student, New York

CBE archives

Bioglyphs plate

MSU-Bozeman Bioglyphs Project

Amber Harrer Broadbent, undergraduate researcher

CBE archives

Patrick Norris, MS, ME, 2004

CBE archives

Avi Shantaram, MS, C/EnvE, 2005

CBE archives

Abbie Aiken Richards, visiting PhD, ChBE;

faculty, ChBE

CBE archives

Christoph Fux, visiting researcher, Switzerland

CBE archives

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Rocky Ross, faculty, CS

Rob Wilke, Wilke Photographics

Jackie Whitaker Hilyard, NSF-REU undergraduate;

staff researcher

CBE archives

Adie Phillips, MS, C&EnvE, 2003; staff researcher

CBE archives

Christine Foreman, faculty, LRES

CBE archives

Sarah Codd, staff researcher; faculty, I&ME

Elizabeth Brock, MSU-COE

Joe Seymour, faculty, ChBE

MSU News Services

Ross Carlson, staff researcher; faculty, ChBE
CBE archives
Bastian Wittstock, visiting student, Germany
CBE archives
Kelli Buckingham-Meyer, undergraduate researcher;
staff researcher
CBE archives
Cindy Morris, visiting researcher, France
CBE archives
Garth James, staff researcher; faculty, ChBE
CBE archives
Cory Rupp, undergraduate researcher
NSF Graduate Fellowship award, 2004
MSU News Services
Nahit Atkas, visiting researcher, Turkey
CBE archives
Diane K. Walker, MS, CE, 2004; staff researcher
CBE archives
Raaja Raajan Angathevar-Veluchamy, MS, ChBE, 2006
CBE archives
Erik Alpkvist, visiting student, Sweden
CBE archives
Laura Purevdorj-Gage, PhD, Micro, 2004
CBE archives

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Alessandra Agostinho, visiting researcher, Brazil;
staff researcher
CBE archives
Cinnamon Spear, undergraduate researcher
CBE archives
Ellen Swogger, undergraduate researcher
CBE archives
Ben Klayman, PhD, EnvE, 2007
W.G. Characklis Award, 2005
CBE archives
Vildan Caner, visiting researcher, Turkey,
CBE archives
Suriani Abdul Rani, MS, ChBE, 2006
CBE archives
Jason Chambless, PhD candidate, ChBE,
CBE archives
Ruth Cutright, industry, W.L. Gore
CBE archives
Andreas Nocker, postdoctoral researcher
CBE archives
Laura Jennings, undergraduate researcher;
visiting PhD candidate, Micro
CBE archives
Mike Nolop, undergraduate staff, computer systems
CBE archives
Mohiuddin Taimur Khan, postdoctoral researcher
CBE archives
Joao Xavier, visiting researcher, Portugal
CBE archives
Roy Hozalski, visiting researcher, Minnesota
CBE archives
Pat Secor, undergraduate researcher;
PhD candidate, Cell Biology
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Jennifer Faulwetter, PhD candidate, Micro,
CBE archives
Audrey Corbin, visiting researcher, France;
staff researcher
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Shoji Takenaka, visiting researcher, Japan
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Jeyong Yoon, visiting researcher, Korea
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Andrea Hartman, undergraduate researcher
CBE archives
Liz Sandvik, MS candidate, ChBE
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Chirag Shah, industry, Tyco Healthcare
CBE archives
Dave Fink, industry, Tyco Healthcare
CBE archives
Smita Sutrave, staff researcher
CBE archives
Lynne Leach, postdoctoral researcher
CBE archives
Brenda Grau, postdoctoral researcher
CBE archives
Dinesh Aggarwal, industry, Tyco Healthcare
CBE archives
Sabrina Behnke, MS candidate, Micro
CBE archives
Priscilla Sossa, visiting student, Chile
CBE archives
Willy Davison, PhD candidate, ChBE
W.G. Characklis Award, 2006
CBE archives
Reed Taffs, MS candidate, ChBE
CBE archives
Diane Gray, industry, Invitrogen/Molecular Probes
CBE archives
Sidy Ba, MS candidate, C/EnvE
CBE archives
Shahed Rahmann, PhD candidate, C/EnvE
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Daniel Swanson, undergraduate researcher
CBE archives
Ben Klayman, PhD candidate, EnvE, and
Paul Volden, undergraduate researcher
CBE archives
Matthew Fields, faculty, Micro
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Susana Sanchez-Gomez, visiting researcher, Spain
CBE archives
Jeri Lynn Williamson, undergraduate researcher
CBE archives
Melinda Clark, PhD candidate, Micro
CBE archives
Abdoulaye Camara, visiting researcher, Mali
CBE archives
Christopher Groth, visiting student, New York
CBE archives
Diana Amari, visiting student, New York
CBE archives
Elora Bujari, visiting student, New York
CBE archives
Mike Sutton, MS candidate, EnvE
CBE archives
Isaac Klapper, faculty, Math
Paul Stoodley, collaborating faculty, CGS-ASRI,
Pennsylvania

Phil Stewart, CBE director
CBE archives

Lourdes Jimenez, visiting researcher, Spain
CBE archives

Logan Schultz, undergraduate researcher
CBE archives

Anitha Sundararajan, PhD candidate, Micro
CBE archives

Nic Beck, undergraduate researcher
CBE archives

Sutapa Barua, MS, ChBE, 2007
CBE archives

Steve Fisher, staff researcher
CBE archives

Alex Blanchard, industry, Procter & Gamble
CBE archives

Saba Alniemi, undergraduate researcher
CBE archives

Thomas Neu, academic visitor, Germany
CBE archives

Stewart Clark, PhD candidate, Micro
W.G. Characklis Award, 2007
CBE archives

Skye Saylor, undergraduate, graphics
CBE archives

Matthew Gervais, industry, Unilever
CBE archives

Hans-Curt Flemming, academic visitor, Germany
CBE archives

Lindsey Lorenz, staff researcher
CBE archives

Natasha Malette, PhD candidate, ChBE
Jennifer Hornemann, PhD candidate, ChBE
CBE archives

Casey Chebator, industry, Covidien
CBE archives

Ayrat Ziganshin, visiting researcher, Russia
CBE archives

James Folsom, postdoctoral researcher
CBE archives

Laura Wheeler, MS candidate, ChBE
CBE archives

Greg Characklis, visiting faculty, North Carolina
CBE archives

John Baker, staff, IT
CBE archives

Carrie Ermitano, industry, Ecolab
CBE archives

Lindsay Danreuther, undergraduate researcher
CBE archives

James Bardwell, industry, enturia
CBE archives

Curious Baby George, mascot
CBE archives

Daniel Rhoads, visitor, Southwest Regional
Wound Care Center, Lubbock, TX
CBE archives

Kelly Kirker, staff researcher
CBE archives

Richard Strayer, industry, NASA
CBE archives

Recep Avci, collaborating faculty, Physics
CBE archives

Elinor Pulcini, staff researcher
CBE archives

Andrew Mitchell, faculty, CE
CBE archives

Tara Gunsch, staff
CBE archives

Laura Boegli, staff researcher
CBE archives

Jeremy Yarwood, industry, 3M
CBE archives

Jonathan Rice, undergraduate researcher
CBE archives

Joanne O'Keefe, industry, Unilever
CBE archives

Peter Suci, faculty, Micro
CBE archives

Ben Hisey, undergraduate researcher, and
Sidy Ba, MS candidate, C/EnvE
CBE archives

Kim Browne, undergraduate staff
CBE archives

Brent Peyton, faculty, ChBE
CBE archives

Al Cunningham, faculty, CE
CBE archives

Nicole David, industry, Covidien
CBE archives

Anne Camper, faculty, CE & Associate Dean, COE
CBE archives

Peg Dirckx, staff, and
Erin Field, PhD candidate, Micro
CBE archives

Robert Marley, Dean, College of Engineering
CBE archives