

## Student Testimonials

*"The knowledge gained here will be extremely useful throughout my academic and professional life."*

*"[The course] opened my eyes to things I really did not know to look for."*



*"[The course] brings to light many aspects of writing that I would have never considered. It also cleared up many questions about grammar and confusing words with applicable examples."*

*"The lecturer was very good in conveying his message and making the class lively and interesting."*

*"I am going to take some of the material to my lab and talk about it with my advisor and peers."*

*"[This course has] universal appeal!"*

*"It would be of great use to have such a course for everyone in science!"*

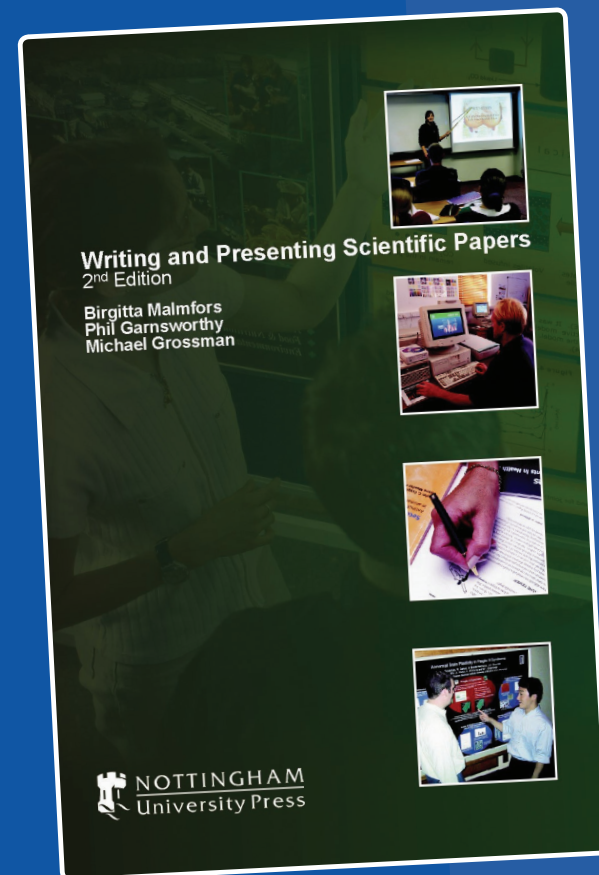
## Contact

For more information about the workshops, including a proposed program for a two-day, three-day, or four-day workshop, contact

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## Techniques for Writing and Presenting a Scientific Paper



# Write to express, not to impress

Communicating Science  
and Scientific Information  
More Effectively

# Communicating science is as important to the scientific process as the experiment itself.

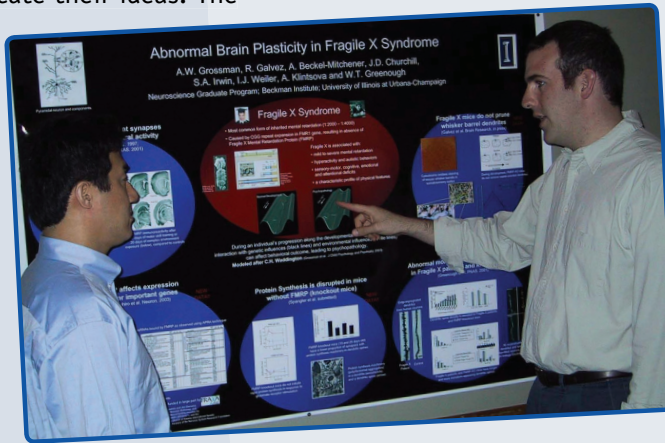
Grossman Consulting International, specializing in science communication, has created a workshop to help scientists communicate their ideas. The workshop focuses on essential techniques for effective writing and presentation of scientific information, and includes a session on ethics of scientific publication.

A workshop can be two, three, or four days, depending on the needs of participants. Scientific writing forms the core workshop of two days. Participants enhance their skills and make their writing easier to read by

- learning to write effectively
- improving coherence and flow
- using proper grammar and punctuation
- using transitions and links
- preparing effective tables and figures

For three-day and four-day workshops, participants practice

- writing an abstract
- writing statistics
- delivering an oral presentation
- creating a poster for presentation



## Active Learning Format

Participants are involved in more than just listening to lectures. They also develop their writing and presentation skills. The program is organized in “active learning” sessions — a combination of lectures, group discussions and analysis, and individual tasks.

Following each informative PowerPoint® lecture, students work in groups on practical case studies from published scientific articles — editing to improve coherence of title and abstract, introduction, materials and methods, and to improve results (tables and figures).

## Learning Outcomes

By the end of the workshop, each participant should see improvement in the ability to

- write and communicate
- reason and evaluate
- read and discuss logically
- analyze and synthesize
- cooperate in a team environment
- work quickly

## Workshop Size

The maximum number of participants is 24; the minimum is 18. The workshop is designed for six groups, each with four participants.

## Target Audience

The workshop is designed for students working on their masters or Ph.D. degree, and for scientists who are early in their careers. The workshop is also helpful for those who have experience writing scientific papers, but who want to improve their communication skills.

## Resources

- *Techniques for Writing and Presenting a Scientific Paper*, a workbook containing handouts of the PowerPoint® lectures and case studies, by Dr. Michael Grossman.
- *Writing and Presenting Scientific Papers* by Dr. Birgitta Malmfors (Sweden), Dr. Phil Garnsworthy (United Kingdom), and Dr. Michael Grossman (USA), Nottingham University Press (2004).



## The Instructor

Dr. Michael Grossman is a professor in the Departments of Animal Sciences and Statistics at the University of Illinois at Urbana-Champaign, USA. He has written numerous peer-reviewed scientific papers and popular science articles in animal

genetics and mathematical modeling, and has given many national and international scientific presentations. Professor Grossman has taught workshops on techniques for writing and presenting scientific papers at the University of Illinois and at Wageningen University, The Netherlands, where he received honors for teaching, as well as at universities in China.