

Program: Biochemistry

Course Name: Essentials of Publishing and Applying for Research Support

Course Number: M550

Course Director: Fredda London, Ph.D. Room 311D OMS. Tel. 2-4458.

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Credits: 1

Semester: Spring, every other year

Times: Meets 2 hours once weekly for 7 weeks

Location: TBD

Prerequisites: Participants are culled from graduate students, and postdoctoral fellows in the basic and clinical science departments and required to enroll in the course.

Description: TOPICS TO BE COVERED

- Structure of a scientific paper or grant application.
 - Timeline and helpful hints.
- Acquiring the clarity of expression to enhance grant applications or manuscripts
- Preparing a grant application; its receipt, assignment and review by NIH

- Institutional responsibilities: The Provost's Office and Institutional Review Boards
- Internet information retrieval & funding source searches
- Review of selected grant applications

Textbook & Readings: RECOMMENDED

- Liane Reif-Lehrer, *Writing a Successful Grant Application*. 2nd edition, Jones and Bartlett Pub., Boston.
- Robert A. Day, *How to Write and Publish a Scientific Paper*. Fifth edition, Oryx Press.
- Joseph Williams, *Style: Ten Lessons in Clarity and Grace*. latest edition, Scott Foresman (U. Chicago).
- Robert A. Day, *Scientific English, A Guide for Scientists and Other Professionals*. latest edition Oryx Press.
- William Strunk, Jr. and E.B. White, *The Elements of Style*. latest edition Macmillan Publishing Co., Inc.

Pass/Fail Criteria

Class attendance is required. Student absence must be excused and may not exceed two excused absences for earning a passing grade.

Students are expected to participate in class by contributing to discussion. Students are also expected to complete assignments from participating instructors. By the end of the course each student will have participated in a mock review panel discussing and judging an assigned grant application

donated by faculty from previously funded grants. Four to five grant applications are distributed as examples of successful applications. The Pass/Fail grade in the course will take into account attendance, class participation, completion of assignments and oral presentations.

Office Hours – The Course Director is available in person or by e-mail during normal workday hours. Other instructors are available on the same terms.

Faculty

- **Fredda London, Ph.D.** Associate Professor, Sol Sherry Thrombosis Research Center and Department of Biochemistry, Temple University School of Medicine.
- **Lori Salem, Ed..D.** Director, University Writing Center, Temple University or another member of the Writing Center.
- **Kenneth Soprano, Ph.D.** Professor, Microbiology. Vice President for Research, Temple University.
- **Kenneth Geller, Ph.D.** Assistant Vice President for Research/HSC, Health Science Center, Temple University.
- **Barbara Kuchan, M.S.I.S.** Associate Director for Information Services and Educational Programs, Health Science Center Library

Subject	Instructor
Introduction to the course	F. London
Timeline and organization of presenting your results	
How to approach writing a scientific manuscript	F. London
How to approach writing a grant application	F. London
Strategies for effective written expression	The Writing Center
NIH receipt and handling of grant applications	K. Soprano
Institutional responsibility and research oversight	K. Geller
Electronic bibliography and funding source retrieval	B. Kuchan
Mock review panels	F. London