

# European Shock Society (ESS) / Novo Nordisk Research Grant for Hemorrhagic Shock and Hemostasis ESS Fellowship application

**PURPOSE.** The purpose of this award is to support the development of new faculty-level investigators in the areas of hemostasis and hemorrhagic shock. Candidates must have the potential to develop into outstanding independent investigators. The proposed research must focus on developing new knowledge related to hemostasis and/or hemorrhagic shock. Research may vary from basic cellular responses to clinical outcomes that might include translational research and clinical application. Proposed research must have intrinsic importance, but may also contain a component for permitting the applicant to learn the methodology, theory, and conceptualizations necessary for developing into an outstanding independent researcher.

**AWARD.** The award will be EUR 50.000,-- over two years. Half will be granted the first year, 40% will be awarded the second year contingent upon a satisfactory progress report to the Awards Committee, and 10% will be granted upon completion with a final report and presentation of results orally at the US or European Shock Society meeting.

## **ELIGIBILITY REQUIREMENTS.**

- ◆ The candidate must be a member in good standing or intends to become a new member of the European Shock Society.
- ◆ The candidate must have a doctoral degree or its equivalent, such as but not limited to MD, PhD, DDS, DMD, DO, DC, OD, DVM, or Pharm D.
- ◆ The candidate must have an interest and/or experience in the area of the pathophysiology of hemorrhagic shock and/or hemostasis.
- ◆ Candidates must be European or Non-US or Canadian citizens
- ◆ Candidates are ineligible for funding if their institution has a fellow currently funded under this program.
- ◆ The candidate must be willing to spend a minimum of 50% full-time professional effort conducting research and research career development.
- ◆ Identification of a mentor with extensive research experience in this area may add strength to the application, but is not strictly required.
- ◆ The institution must be able to demonstrate a commitment to the candidate as a productive, independent investigator. This designation is specifically meant to include individuals establishing themselves as "independent researchers" as opposed to post-doctoral or resident-level fellows who are in another principle investigator's laboratory. Applicants may be at the 'instructor / assistant professor' level, or indicated to be on an independent scientist stage. A letter should be appended from the Departmental Chair or Mentor to clarify the applicant's position.
- ◆ The application should clearly indicate that the candidate has sufficient resources available to perform the research. These resources may be provided by the mentor, the institution, or both.
- ◆ The candidate is encouraged (but not required) to travel to the US (North Brunswick, NJ) Novo Nordisk research facilities and conduct research for a period of time to be determined and as approved by the applicant's home institution.

**ALLOWABLE COSTS.** Allowable costs include equipment and supplies. Salary support is allowed for technical assistance but not for the applicant's salary or the mentor's salary. Costs for secretarial services and administrative services (indirect costs) are not allowed. All costs must be directly related to the proposed research. The budget must include funds for travel to the meetings of the Shock Societies where research findings will be presented in a format to be

determined by the Chair of the Shock Society Program Committee. Travel associated with research training is permitted to a maximum of \$1500. Unspent funds at the end of two years will be returned to the ESS.

**INCLUSION OF WOMEN, MINORITIES, AND CHILDREN IN RESEARCH INVOLVING HUMAN SUBJECTS.** If applicable, these inclusions must be in accordance with current NIH/EC FP6 policy, and must be clearly described in the application.

**VERTEBRATE ANIMALS.** Appropriate institutional approval is needed. **BIOHAZARDS.** Appropriate institutional approval is needed.

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# **APPLICATION FORMAT**

The application must address the following, using 11 or 12 point font (Times, Times New Roman, or Arial). The application must include sections A through I with the guidelines provided below. The application should be sent as a single PDF file either electronically or on a CD to the ESS (Uwe Brückner – <uwe.brueckner@medizin.uni-ulm.de>).

## **Deadline for receipt of applications is April 1, 2007.**

### **A. Candidate.**

- ◆ Submit biosketch to include pertinent educational experience and professional experience as well as awards, honors, if pertinent and publications (manuscripts, books, chapters, technical reports, etc., but not abstracts). **Total 2 page limit for this section.**
- ◆ Submit a second 1 page document that describes
  - Commitment to research related to shock and trauma
  - Potential to develop into an independent investigator
  - Institutional commitment to allow at least 50 percent research effort.

**B. Research Plan (4 pages, exclusive of references).** Describe the research plan and the use of a basic or clinical science approach towards furthering knowledge in the areas of hemostasis and/or hemorrhagic shock. Include the following.

1. Specific Aim(s)
2. Background and Significance
3. Preliminary Studies (if available)
4. Research Design and Methods
5. References. Provide complete citations including all authors and titles. References are not included in the page limit for this section.

**C. Environment and Budget.** Submit single page for "Resources" and "Detailed Initial Year Budget page" Describe how the budget will be allocated for salary, supplies, equipment, and travel.

**D. Letters of recommendation (list here and include with the application).** Two letters of recommendation addressing the candidate's potential for a research career must be included as part of the application. If appropriate, one letter must be from the designated mentor, along with the mentor's biosketch, submitted in 3-page format that includes currently funded research. The mentor's letter should include information to describe the candidate's research plan and nature of the supervision that will occur during the proposed award period.

**E. Environment and institutional commitment.** The sponsoring institution must provide a statement to document the level of commitment to the candidate's development into a productive, independent investigator. This must include an indication of support for candidate's proposed level of effort related to this award, commitment to release time, as well as the availability of support during the award period.

**F. Women, minorities, and children in research involving human subjects.** Describe use of human subjects, which must be compatible with European Union Framework 6 guidelines. Appropriate institutional approval must be obtained prior to award.

**G. Vertebrate animals.** Describe use of vertebrate animals, which must be compatible with institutional guidelines. Appropriate institutional approval must be obtained prior to award.