



Guidelines for the TIAFT

Bryan S. Finkle Visiting Scientist Grant

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OVERVIEW - Bryan S. Finkle, PhD.

Dr. Bryan S. Finkle is a consultant in pre-clinical new drug development and medico-legal toxicology. For ten years, 1973-1983, Dr. Finkle was the Director of the Center for Human Toxicology at the University of Utah, and from 1983-1989 was Director of the Department of Pharmacological Sciences at Genentech, Inc. South San Francisco, California. During this period he was Associate Professor of Pharmacology-Toxicology in the College of Pharmacy, and Department of Pathology in the College of Medicine, University of Utah Health Sciences Center. Until 1996, Dr. Finkle was the Vice President for Development and Regulatory Affairs at Canji, Inc., a biotechnology company dedicated to gene therapy using tumor suppressor genes, novel cancer therapeutics and diagnostics. From 2000-02 he was associated with NewBiotics Inc., a biotechnology company dedicated to the development of enzyme catalyzed therapeutic agents. He also consults for medical biotechnology companies, particularly Ligocyte Pharmaceuticals concerning the development of recombinant vaccines.



He is educated in chemistry, pharmacology and toxicology and began his career in forensic science at the Scotland Yard laboratory in England (1956), specializing in toxicology. In 1964, he was appointed Chief Forensic Toxicologist in Santa Clara County in San Jose, California and later lectured in forensic toxicology at the University of California, School of Criminology at Berkeley. He was the Chief Consulting Toxicologist to the National Football League for more than 26 years until March 2015. He is consultant to the World and U.S. Anti-doping Agencies. He was the former President and the Chairman of the Board for the Sports Medicine Research and Testing Laboratory Inc. He has served on the Board of the NFL Health Foundation; the Scientific Advisory Board of the Partnership for Clean Competition, and consults with the NFL-NFLPA Research and Education Foundation.

Dr. Finkle has been consultant to FDA, NIDA, (SAMHSA) and other government and private agencies involved with the toxicology of drug abuse. He has consulted with major pharmaceutical companies on toxicology and pre-clinical pharmacology of new drugs, most recently in development of products from biotechnology research. He is a Founding member and Past President of The International Association of Forensic Toxicologists and of the Forensic Sciences Foundation, Past Vice-President of the American Academy of Forensic Sciences and member of several states, National and international organizations of forensic scientists and toxicologists. He has also served on Pharmaceutical Manufacturer's Association committees, and a National Academy of Sciences-National Research Council Study Committee.

For more than 50 years he has been closely associated with research into the problems of alcohol and drugs, their toxicology and their role in medico-legal investigation. For the past 20 years, he has also been involved in the toxicology and pre-clinical development of drugs (human proteins, peptides,

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biochemical mimetics, and genes) produced by recombinant DNA techniques. He directed the pre-clinical pharmacology and toxicology of Protopin (human growth hormone) Activase (rec-tissue plasminogen activator) Interferon-gamma, Tumor Necrosis Factor-alpha, the Her-2 oncogene antibody and, most recently, the p53 and Rb human tumor suppressor genes.

His main professional interests are in the study of instrumental, automated analytical methods; mass spectrometry as a tool in toxicology; and studies and experiments to provide a database for interpretation of toxicology data. He has published more than 100 papers in the scientific literature, numerous abstracts and published in books concerned with analytical, forensic and clinical toxicology; and safety assessment of biotechnology products. He has been featured in several international television and radio programs concerning forensic science and toxicology.

He is recipient of the Stas Medal, Granted by the German Society of Toxicology and Chemistry and the Rolla Harger Grant, an honor given by the American Academy of Forensic Sciences, Toxicology Section. In 1995 he received the Borkenstein Grant from the National Safety Council for his more than 25 years of work on the role of alcohol and other drugs related to highway safety. In 2018 he received the Alan Curry Award from The International Association of Forensic Toxicologists for his life-time contributions to international forensic toxicology. In 2020 the Sports medicine, Research and Testing laboratory (SMRTL) in Salt Lake City named its new building-laboratory the Bryan S. Finkle Building to honor his founding work on behalf of SMRTL.

Until 2013 Dr. Finkle's avocation was the management of his horse and cattle ranch in the Madison Valley, Southwest Montana. At Finmans Mountain Ranch he bred, trained, competed and sold quality registered Quarter horses-cutting horses. A parallel but complementary activity involved breeding, training, and showing Arabian horses throughout the western states. He served for nine years on the Board of Directors of the Madison Valley Hospital and Clinic, and the Hospital Foundation. He was Chairman of the Board for the Montana Mandolin Society (2000-06)

His professional activities are now limited to supporting the further development of the Sports Medicine, Research and Testing Laboratory – in 2020 the new SMRTL laboratory was named "The Bryan S. Finkle Building"; serving to advance anti-doping science in sport through the WADA, USADA, IOC, the Partnership for Clean Competition and professional sports. He remains active in mass spectrometry circles and in several Forensic Toxicology organizations.

Dr. Finkle formally retired from all of his professional responsibilities, except the SMRT-Laboratory Board of Directors, effective October 15th 2017.

TIAFT's *Bryan S Finkle Visiting Scientist Grant*

TIAFT understands the need for continuing education for its members, and, thanks to Bryan, we are pleased to announce a grant which recognizes his great contribution to our organization.

TIAFT's *Bryan S. Finkle Visiting Scientist Grant* will be offered to one TIAFT member each year to cover travel, lodging, and other expenses related to the education of DCF members or their laboratories. There are two possible scenarios in which the grant may be used: 1) A DCF Member may apply to visit another TIAFT Member's laboratory for up to one (1) month in order to receive training or 2) A Standard Member may apply to visit a DCF Member's laboratory for up to one (1) month in order to provide training to the laboratory's toxicology staff. In both instances, the training must focus on analytical methods, instrument operation, quality assurance, and other relevant topics in the fields of forensic and clinical toxicology.

The success of this grant will be on both the Visiting Scientist and the laboratory that is visited. It will require detailed planning on the training activities. Consideration must also be given to any communication barriers and how they will be overcome. It is critical that Visiting Scientist is comfortable with the specific instrumentation at the host laboratory.

This document serves as a guide for interested applicants – whether it be a laboratory or an individual – to apply for TIAFT's *Bryan S. Finkle Visiting Scientist Grant*. It also provides information about the assessment process and obligations for the grantee.

OBJECTIVES OF THE GRANT

The objectives of the *Bryan S Finkle Visiting Scientist Grant* are in accordance with the Aims of TIAFT:

1. Provide an organization for professionals engaged or interested in the field of forensic toxicology or related areas of analytical toxicology, including the interpretation of the results of these analyses.
2. Provide a forum for the discussion and exchange of professional experiences in forensic toxicology and related areas of analytical toxicology between forensic toxicologists and all other interested parties.
3. To promote education and training in forensic toxicology and related areas of analytical toxicology.
4. Promote cooperation and coordination of effort among members.
5. Encourage research in and the practice of forensic toxicology and related areas of analytical toxicology.

AMOUNT OF FUNDING

Each year, the grant will provide financial assistance of up to a maximum of \$7000 USD to the grantee. This will cover travel, lodging, a daily meal allowance, and other expenses incurred in line with the aims of the grant. The grantee is responsible for managing their own bookings and travel requirements, including mandatory health/medical and travel insurance.

The grant is not to be used to cover the cost of miscellaneous personal expenses¹ or accompanying persons. Funding will not cover managerial costs or salaries.

All expenses (other than meals) require receipts or other proof-of-purchase for justification. Some expenses may be pre-paid (i.e., airfare, lodging) while others will require reimbursement after the travel has been completed.

If your application is approved, the TIAFT board will set maximum amounts for flights, lodging, and meal allowance based on the destination of the proposed visit.

ELIGIBILITY CRITERIA

Any Standard or DCF member of TIAFT is eligible to apply for the grant, provided they have been a member in good standing for at least two full years at the application's closing deadline.

The training dates proposed by the applicant must be within one year of the application closing date. Grantees may request project variations if their grant proposals are impacted by extenuating circumstance.

GRANT APPLICATION PROCESS

All interested candidates MUST first complete the *Bryan S. Finkle Visiting Scientist Grant Application Form*. The link will be provided annually to all current TIAFT members. The deadline to complete the grant application form will be November 1st of the calendar year prior to that which you would like to be considered for the grant. All grant application submissions will be reviewed by the TIAFT Board and appropriate matches will be made between trainers and trainees to ensure the best outcome for all parties. By December 1st, the TIAFT President (or designee) will notify trainees and trainer that were paired together, as well as candidates that were not selected to move on in the selection process for that year.

Paired trainers and trainees will then be required to work together to complete the second phase of the application (Appendix A) and provide supporting documentation to be considered for the Grant.

¹ Meals will be covered to a standard allowance. Since TIAFT is covering meals/lodging, the host organization will not supplement these costs with additional reimbursements.

The application requires demonstration of a number of criteria that will be used by the TIAFT Board in deciding the candidates most deserving to receive the grant for that year.

Among the criteria that will be evaluated are the following:

- Length of TIAFT membership;
- Length of time actively working/studying in the field of forensic or clinical toxicology and relevant positions held;
- Potential benefit to the applicant and organization receiving training;
- Detailed agenda of proposed training endorsed by the Visiting Scientist and the director/delegate of the training organization/laboratory;
- Evaluation of applicant's essay;

Note that previous winners of the grant will not be reconsidered within 3 years of their previous award.

All applications must be received by the TIAFT President (president@tiaft.org) by the stated deadline to be considered. Only electronic submissions will be considered. Once the deadline has passed, the TIAFT President will collate the applications and distribute them to all TIAFT Board members for formal assessment.

ASSESSMENT OF APPLICATIONS

All TIAFT Board Members will independently review and score the applications for the grant and then participate in a group discussion with the goal of selecting one awardee of that year's grant. If the Board deems that none of the applicants meet the minimum requirements, the grant will not be awarded that year.

The applicant will also be required to have an interview with the TIAFT board to present the submitted proposal.

NOTIFICATION OF GRANT RECIPIENTS

Within one week of the Board's selection, the TIAFT President will notify all applicants by email of the outcome of their application. The grantee will also be contacted by the TIAFT Treasurer to discuss recipient obligations and the process for payment of funds.

PAYMENT

It is important to realize that the grant provides *reimbursements* of some, but not all expenses. Prepayments of airfare, lodging, and the meal allowance will be considered, but other travel expenses will be reimbursed only after the travel period has ended. Final grant payments are arranged with the

TIAFT Treasurer and are made after receipts of expenses are provided. All payments will be made within 30 days after receiving the relevant receipts and will be made by cheque or bank transfer (EFT).

REPORTING REQUIREMENTS AND GRANT RECIPIENT RESPONSIBILITIES

Within one month after their return from the training, both the grantee and organization receiving the training are required to provide a report to the TIAFT Board on the value they gained from the grant funding. This report will be published in the TIAFT Bulletin. Additionally, the recipients are required to write a message to Dr. Finkle to personally thank him for the donation and opportunity.

ADDITIONAL INFORMATION

TIAFT assumes no responsibility for the health or safety of the grantee. It is recommended that appropriate health insurance be secured by the grantee prior to traveling to another country. Further, the grantee should consult with their country's embassy, as well as the local hosts to become aware of areas they may visit that are considered as dangerous. TIAFT will not support applications to countries the Board deems as unsafe.

APPENDIX A: APPLICATION FORM

Application for TIAFT's *Bryan S. Finkle Visiting Scientist Grant*

TIAFT's annual *Bryan S. Finkle Visiting Scientist Grant* provides financial assistance of a maximum of USD 7,000 for training of DCF Members or their laboratories. The grant may be used to cover the expenses for the awardee's travel, lodging, and meals for up to a one-month visit.

There are two possible scenarios in which the grant may be used: 1) a DCF Member may apply to visit another TIAFT Member's laboratory to receive training or 2) a Standard Member may apply to visit a DCF Member's laboratory to provide training to the laboratory's toxicology staff. In both instances, the training will focus on analytical methods, instrument operation, quality assurance, and other relevant topics in the fields of forensic and clinical toxicology.

The grant will cover cost-effective direct travel to and from the laboratory where the training will occur (e.g., airfare, train, etc.), as well as the cost of economical accommodation and a meal allowance for the training period. The grant is not to be used to cover the cost of miscellaneous personal expenses, accompanying persons, or tours. Additionally, except for airfare, lodging, and the meal allowance expenses, the grant serves as *reimbursements* of other expenses and not prepayments of such.

Any TIAFT member in good standing is eligible to receive the *Bryan S. Finkle Visiting Scientist Grant* provided that they have been a member for at least two years at the application's closing deadline. No exceptions to these requirements will be made.

Name of Applicant: _____

Affiliation: _____

Professional Address: _____

Country: _____

Email: _____ TIAFT Member Number: _____

What languages are you proficient in? _____

Return completed form to the TIAFT president (president@tiaft.org)

DEADLINE FOR SUBMISSION: 28th February in the calendar year in which the Grant is to be used. Late submissions will not be considered.

GENERAL INFORMATION

A. I have been a TIAFT members since: _____ Standard or DCF Member? _____

NOTE: You must be a TIAFT member in good standing for at least two years prior to the deadline for the travel grant submission.

B. I have previously applied for a *Bryan S. Finkle Visiting Scientist Grant*: _____ YES _____ NO

C. I have previously received a *Bryan S. Finkle Visiting Scientist Grant*: _____ YES _____ NO

If "yes", please list years that the grant was previously received: _____

NOTE: If you have received a *Bryan S. Finkle Visiting Scientist Grant* in any of the last three years, you will not be considered for this year's travel grant.

INFORMATION ABOUT LABORATORY WHERE TRAINING WILL OCCUR

Name of Laboratory: _____

Laboratory Director: _____

Professional Address: _____

Country: _____

Phone Number: _____ Email: _____

Number of TIAFT Members that work in this laboratory? _____

Languages used by the laboratory staff? _____

List of major instrumentation (to include manufacturer and model numbers) available to the laboratory:

ADDITIONAL REQUIRED INFORMATION:

Include the following information with the application. Check each box to indicate that it has been included:

- ☐ Essay: A maximum of two-pages written by the applicant explaining why they are applying for this grant and what they hope to gain from it
- ☐ Training Agenda: A proposed agenda for the training that includes a detailed itinerary, as well as training goals or outcomes. These must be developed jointly between the applicant and the laboratory. This file must be a maximum of three (3) pages.
- ☐ Letter of Support from the management of the applicant
- ☐ Letter of Support from the laboratory where the training will occur
- ☐ Brief CV including qualifications, summary of professional/research experience, and publications/presentations. Maximum of three (3) pages.

ACKNOWLEDGEMENTS:

Please check each box to indicate that you understand the requirements within each of the following statements:

- ☐ I understand that I am to use cost-effective direct travel to and from the site of training (e.g., airfare, train, etc.), as well as a safe and economical choice of accommodation for the training period.
- ☐ I understand that I should make every needed effort to obtain a visa (if applicable) in time.
- ☐ I understand that TIAFT holds no responsibility for my health and safety, should I be awarded this grant.
- ☐ I understand that the grant is not to be used to cover the cost of miscellaneous personal expenses, accompanying persons, or tours/extended stays.
- ☐ I understand that if I am awarded a TIAFT *Bryan S Finkle Visiting Scientist Grant*, I will be required to work full-days in the laboratory and make use of the opportunity to educate the and/or learn from the laboratory that is visited.
- ☐ I understand that if I fail to meet the training objectives, I may be asked to forfeit some or all the grant.
- ☐ I understand that I will be required to write a report on the experience for the TIAFT Board and to published in the Bulletin. This report is to be delivered within 1 month of the end of the travel.
- ☐ I understand that I am required to write a letter of thanks to Bryan S. Finkle for the opportunity provided by the grant.
- ☐ I understand that since TIAFT is covering the expenses of transportation, lodging, and meals, the host laboratory is not to supplement the payment of these expenses.

Signature: _____

Date: _____

Return completed form to the current TIAFT President