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### A. Professional Preparation

| Degree  | Year    | University              | Major               |
|---------|---------|-------------------------|---------------------|
| B.S.    | 1982    | Mississippi State       | Nuclear Engineering |
| M.S.    | 1986    | Mississippi State       | Nuclear Engineering |
| Ph.D.   | 1992    | University of Tennessee | Biomedical Sciences |
| Postdoc | 1992-93 | Oak Ridge National Lab  | Radiation Biology   |
| Postdoc | 1993-94 | University of Wisconsin | Radiation Biology   |
| Postdoc | 1994-97 | MRC-RAGSU, Harwell, UK  | Radiation Biology   |

### B. Appointments

|              |   |
|--------------|---|
| 2006-present | Texas A&M University, Nuclear Engineering, Associate Professor (tenured)    |
| 1999-2006    | Texas A&M University, Nuclear Engineering, Assistant Professor              |
| 1998-1999    | Texas A&M University, Nuclear Engineering, TEES Assistant Research Engineer |
| 1997-1998    | Medical Research Council- RAGSU, Harwell, UK, Grade I Scientist             |

### C. Publications (25 total)

Most Closely Related to the Proposed Project:

1. Braby LA and JR Ford. Characterizing radiation quality for low level radiation exposure. *Radiation Measurements*, **41**: 1147-51, 2006.
2. Pasciak AS and JR Ford. An accurate approximation for the highly efficient sampling of polar scattering angle of electron elastic single-scattering events. *Scanning* **28(6)**: 333-41, 2006.
3. Pasciak AS and JR Ford. A new high-speed solution for the evaluation of Monte Carlo radiation transport computations. *IEEE Nuclear Science* **53(2)**: 491-99, 2006.
4. Braby LA and JR Ford. Energy deposition patterns and the bystander effect. *Radiation Research* **161(1)**: 113-15, 2004.
5. Braby LA, and JR Ford. Microbeam irradiation patterns to simulate dose. *Radiation Research* **153**: 225, 2000.

Five other significant publications:

1. Vanamala J, A Glagolenko\*, P Yang, RJ Carroll, ME Murphy, RA Newman, JR Ford, LA Braby, RS Chapkin, ND Turner and JR Lupton. Dietary fish oil and pectin enhance colonocyte apoptosis in part through suppression of PPAR $\delta$ /PGE<sub>2</sub> and elevation of PGE<sub>3</sub>. *Carcinogenesis* **29(4)**: 790-96, 2008.
2. Ford JR, AJ Maslowski, RA Redd and LA Braby. Radiation responses of perfused tracheal tissue. *Radiation Research* **163(4 Part 2)**: 487-92, 2005.
3. Hill MA, JR Ford, P Clapton, SJ Marsden, DL Stevens, KMS Townsend and DT Goodhead. Bound PCNA in nuclei of primary rat tracheal epithelial cells after exposure to very low doses of plutonium-238  $\alpha$ -particles. *Radiation Research* **163(1)**: 36-44, 2005.
4. Medvedeva N, JR Ford and LA Braby. Changes in micronuclei frequency resulting from pre-irradiation of cell-culture surfaces. *Radiation Research* **162(6)**: 660-66, 2004.
5. Turner ND, LA Braby, J Ford and JR Lupton, Opportunities for nutritional amelioration of radiation-induced cellular damage. *Nutrition* **18**: 904-12, 2002.