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Education

Clarion University of Pennsylvania, Clarion, PA
B.S. 1971 Biology

Texas Tech University, Lubbock, TX
M.S. 1975 Biology

State University of New York at Buffalo, Buffalo, NY
Ph.D. 1983 Cell & Molec. Biology

State University of New York at Buffalo, Buffalo, NY
Postdoc 1983-1986 Physical Biochemistry

SUNY at Albany, Albany, NY
Postdoc 1988-1990 Molecular Biology

Monell Chemical Senses Center, Philadelphia, PA
Postdoc 1990-1992 Molecular Biology

Professional Experience

1993-1997 Lecturer, Dept. of Psychiatry, University of Pennsylvania,
Philadelphia, PA

1997-present Research Associate, Otorhinolaryngology: H&NS, University of
Pennsylvania, Philadelphia, PA

1997-present Member, Smell and Taste Center, University of Pennsylvania,
Philadelphia, PA

1997-2000 Associate Member, Institute for Human Gene Therapy, University
of Pennsylvania, Phila., PA

2001-present Adjunct Asst. Professor, Biology Dept., Temple University,
Philadelphia, PA

Honors and Awards

1971 Honor Graduate, Clarion University of Pennsylvania

1985-1986 NRSA, NIH Postdoctoral Fellowship Awardee, Dept. of Biochemistry, SUNY at Buffalo

1991-1995 Johnson & Johnson Focused Giving Program Awardee

Publications

T. Pizzolato, G. Smutzer and J.D. Berlin. 1975. Demonstration of pollen tube growth for introductory botany labs. *Amer. Biol. Teach.* 37: 503-504.

G. Smutzer and J.D. Berlin. 1976. The use of Nomarski interference contrast microscopy as an alternative to the staining of epon sections following autoradiography. *Trans. Amer. Micros. Soc.* 95: 109-112.

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G. Smutzer, B. Crawford and P.L. Yeagle. 1986. Physical properties of the fluorescent sterol probe dehydro- ergosterol. *Biochim. Biophys. Acta* 862: 361-371.

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F.D. Guerrero, L. Crossland, G.S. Smutzer, D.A. Hamilton and J.P. Mascarenhas. 1990. A maize pollen-specific promoter directs tissue-specific transcription in tobacco. *Mol. Gen. Genet.* 224: 161-168.

G. Smutzer, L. Chamberlin, D. Bayley and D.L. Kalinoski. 1991. A simplified method for drying agarose gels. *BioTechniques* 11: 468,470.

J.H. Teeter, T. Kumazawa, J.G. Brand, D.L. Kalinoski, E. Honda and G. Smutzer. 1992. Amino acid receptor channels in taste cells. In: "Sensory Transduction," ed. by D. Corey and S.J. Roper. Rockefeller University Press pp. 291-306. (Published concurrently in *Soc. Gen. Physiol. Ser.* 1992 47: 291-306).

L.M. FitzGerald, A. Rodríguez, and G. Smutzer. Codon utilization in bony fish. 1993. *Mol. Marine Biol. Biotechnol.* 2: 112-119.

G. Smutzer. 1993. A simple method for accessing and transferring nucleotide database files. *Computer Applic. Biosci.* 9: 474.

G. Smutzer and L. Chamberlin. 1994. Dinucleotide frequencies and codon usage in jawless and cartilaginous fishes. *Mol. Marine Biol. Biotechnol.* 3: 112-119.

G. Smutzer, J.E. Zimmerman, C.-G. Hahn, D. Ruscheinsky, A. Rodríguez, L.-Y. Han, and S. Arnold. 1997. Inositol 1,4,5-trisphosphate receptor expression in mammalian olfactory tissue. *Mol. Brain Res.* 44: 347-354. G. Smutzer, L.Y. Han, D. Ruscheinsky, S.E. Arnold, X. Yu, and I. Kratskin. 1997. Inositol 1,4,5-trisphosphate receptor expression in odontoblast cells. *Biochim. Biophys. Acta* 1358: 221-228.

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G. Smutzer. Altered cerebellar Purkinje neuron size in aged schizophrenics. In preparation.

Books

G. Smutzer. In press. *Correlation Guide for Biology*. Brooks/Cole Thompson Learning, Belmont, CA. 90 pages. (Textbook supplement for 6th edition of *Biology* by Solomon, Berg, and Martin).

Recent Abstracts

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