

BIOGRAPHICAL SKETCH

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NAME Steve Goodison	POSITION TITLE Associate Professor		
eRA COMMONS USER NAME sgoodison2			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Swansea University, UK	BSc Hons	1989	Biochemistry
Oxford University, UK	PhD	1993	Molecular Biology

A. Positions and Honors

1989-1992 Wellcome Trust Prize Scholar, Nuffield Dept. of Clin. Biochemistry Oxford University, UK
 1992-1995 Wellcome Trust Prize Fellow, Nuffield Dept. of Clin. Biochemistry Oxford University, UK
 1994 (3 mo) Wellcome Trust Visiting Fellow (Prof. Goodman, Director) Vollum Institute, Portland, OR.
 1994 (2 mo) Royal Society Travelling Fellow, Department of Physiology, University of Sao Paulo, Brazil
 1995-1997 Senior Research Fellow, Nuffield Dept. of Pathology & Bacteriology, Univ. of Oxford, UK
 1997-2001 Assistant Research Scientist, UCSD Cancer Center, La Jolla, California
 07/ 1999-2001 Sidney Kimmel Cancer Research Fellowship Award.
 01/ 2002-2003 Assistant Adjunct Professor, Dept. of Pathology and UCSD Cancer Center.
 2003-present: Associate Professor, Dept. of Surgery, University of Florida, Gainesville, FL

B. Selected peer-reviewed publications (in chronological order)

(Publications selected from 58 peer-reviewed articles)

Goodison S, Ashcroft SJH. Human insulin promoter-driven reporter gene expression.

Biochem Soc Trans 21: 225-226 (1992)

Goodison S, Miyazaki J, Ashcroft SJH. Response to glucose of transcription binding in the rat insulin-I gene promoter. *Biochem Biophys Res Comm* 203: 702-710, (1994)

Yoshida K, Bolodeoku J, Sugino T, **Goodison S**, Matsumura Y, Warren BF, Toge T, Tahara E, Tarin D. Abnormal retention of intron 9 in CD44 gene transcripts in human gastrointestinal tumors.

Cancer Res. 55, 4273-77 (1995)

Sugino T, Gorham H, Yoshida K, Bolodeoku J, Nargund V, Cranston D, **Goodison S**, Tarin D. Progressive loss of CD44 gene expression in invasive bladder cancer. *Am. J. Pathology* 149:873-882, (1996)

Goodison S, Yoshida K, Sugino T, Woodman AW, Gorham H, Bolodeoku J, Kaufmann M, Tarin D. Rapid analysis of distinctive CD44 RNA splicing preferences that characterize colonic tumours.

Cancer Research 57, 3140-3144 (1997)

Sugino T, Yoshida K, Bolodeoku J, Tarin D, **Goodison S**. Telomerase activity and its inhibition in benign and malignant breast lesions. *Journal of Pathology* 183, 57-61 (1997)

Goodison S, Ashcroft SJH. Trans-acting factor(s) confer glucose-responsive transcriptional regulation in the insulin gene. *Adv Exp Med Biol* 426: 97-101 (1997)

Gorham H, Yoshida K, Sugino T, Marsh G, Charnock M, Tarin D, **Goodison S**. Telomerase activity in human gynaecological tissues. *Journal of Clinical Pathology* Vol 50, 501-504 (1997)

Goodison S and Tarin D. Clinical implications of anomalous CD44 gene expression in neoplasia.

Frontiers in Bioscience 3: 89-109 (1998)

Aogi K, Kitihara K, Buley I, Backdahl M, Tahara H, Sugino T, Tarin D, **Goodison S**. Telomerase activity in lesions of the thyroid: Application to diagnosis of clinical samples including fine needle aspirates.

Clinical Cancer Research 4(8): 1965-1970 (1998)

Urquidi V, Tarin D and **Goodison S**. Telomerase in Cancer *Annals of Medicine* 30: 419-30. (1998)

- Goodison S**, Yoshida K, Churchman M, Tarin D. Multiple intron-retention occurs in tumor cell CD44 mRNA processing. *American Journal of Pathology* 153(4): 1221-8 (1998)
- Goodison S**, Urquidi V, Tarin D. CD44 Cell Adhesion Molecules. *Molecular Pathology*. (1999)
- Aogi K, Kitihara K, Urquidi V, Tarin D, **Goodison S**. Comparison of CD44 isoforms and telomerase activity diagnostic tumor marker. *Clinical Cancer Research* 5(10):2790-7 (1999)
- Urquidi V., Tarin D., **Goodison S**. Role of telomerase in cell senescence and oncogenesis. *Annual Review of Medicine* 51:65-79 (2000)
- Woodman AW, **Goodison S**, Drake M, Noble J, Tarin D. Non-invasive diagnosis of bladder carcinoma by detection of CD44 isoforms on exfoliated urothelia. *Clinical Cancer Research* 6: 2381-2392 (2000)
- Aogi K, Woodman A, Urquidi V, Mangham D, Tarin D, and **Goodison S**. Telomerase Activity in Soft-Tissue and Bone Sarcomas. *Clinical Cancer Research* 6: 4776-4781 (2000)
- Taniyama K, Ito R, **Goodison S**, Tarin D, Urquidi V. PTEN expression is maintained in sporadic colon cancer. *J. of Pathology* 194; 341-348 (2001)
- Sugino T, Kusakabe T, Hoshi N, Yamaguchi T, **Goodison S**, Sekimata M, Homma Y, Suzuki T.. An invasion-independent pathway of blood-borne dissemination : A new murine mammary tumor model of metastasis. *American Journal of Pathology* Vol 160 (6); 1973-1980, (2002)
- Kawai K, Viars C, Arden K, Urquidi V, and **Goodison S**. Comprehensive Karyotyping of the HT-29 Colon Adenocarcinoma Cell Line. *Genes, Chromosomes and Cancer* Vol 34: 1-8, (2002)
- Urquidi V, Sloan D., Kawai K., Agarwal D., Woodman A., Tarin D., **Goodison S**. Contrasting Expression of Thrombospondin-1 and Osteopontin correlates with metastatic phenotype in an Isogenic Model of Spontaneous Human Breast Cancer Metastasis. *Clinical Cancer Research* 8:61-74, (2002)
- Goodison S**, Kawai K, Hihara J , Jiang P, Yang M, Urquidi V, Hoffman R, Tarin D. Insights into metastasis, tumor cell dormancy and host effects on secondary tumor growth revealed by labeling with green fluorescent protein (GFP) *Clinical Cancer Research* 9:3808-3814 (2003)
- Ma H, Urquidi V, Kleeman J, **Goodison S**.
Transcriptional Regulation of the hTERT gene during Human Muscle Cell Differentiation. *Molecular Cancer Research* 2003 1 739-46.(2003).
- Wang-Rodriguez J, Urquidi V, Rivard A, **Goodison S**.
Elevated Osteopontin and Thrombospondin Expression Identifies Malignant Human Breast Carcinoma but is not Indicative of Metastatic Status. *Breast Cancer Research* 5: 136-143(2003).
- Goodison S**, Viars C, Grazzini M and Urquidi V. The interrelationship between DRIM gene expression and cytogenetic and phenotypic characteristics in human breast tumor cell lines. *BMC Genomics* 4:39 (2003)
- Sloan D, Nicholson BE , Urquidi V, **Goodison S**. Detection of differentially expressed genes in an isogenic breast metastasis model using RNA Arbitrarily Primed-PCR coupled with array hybridization (RAP-array) *American Journal of Pathology* 164(1): 315-23 (2004).
- RO Stuart, WWachsman, CC Berry, I Klacansky, D Masys, K Arden, **S Goodison**, M McClelland, and D Mercola. In silico extraction of cell-type associated patterns of gene expression in prostate cancer. *Proc. Natl. Acad. Sci. USA* 101: 615-620 (2004)
- Sugino T, Yamaguchi T, Ogura G, Saito A, **Goodison S**, Suzuki T.
Evidence for an Invasion-Independent Metastatic Pathway in Human Cancers
BMC Medicine 2;9-15 (2004).
- Kreunin P, Lubman DL, Urquidi V, **Goodison S**.
Identification of metastasis-associated proteins in a human tumor metastasis model using the mass-mapping technique. *Proteomics* 4, 2754-2765 (2004)
- Goodison S.**, Viars C., Urquidi V.
Molecular cytogenetic study of a human breast tumor metastasis model: Identification of phenotype-specific chromosomal rearrangements.
Cancer Genetics and Cytogenetics 156; 37-48 (2005)
- Goodison S**, Yuan J, Sloan S, Kim R, Li C, Popescu N, Urquidi V. The RhoGAP protein DLC-1 functions as a metastasis suppressor in breast cancer cells. *Cancer Research* 65(14):6042-53 (2005)

C. Research Support

Ongoing Research Support

5 RO1 CA108597-01 S Goodison (PI) 9/1/04-8/31/09
NCI/NIH

Identification and functional analysis of metastasis proteins

This project uses genetic and protein profiling to identify candidate breast tumor metastasis genes which will then be genetically manipulated for functional testing of tumor cell line phenotypes in vitro and in vivo.

BCTR98706 S Goodison (PI) 7/1/06-6/30/08
Susan Komen Foundation

Isolation of metastasis-inhibiting monoclonal antibodies

This project applies a subtractive immunization technique to our breast metastasis model in order to characterize migration/invasion inhibiting antibodies, and to identify the relevant antigens.

05NIR-09-5200 CJ Rosser (PI); S Goodison (Co-PI) 9/1/05 – 8/31/08
Florida Dept. of Health, Biomedical Research Program

Genomic analysis of voided urine to detect bladder cancer

The project involves novel gene expression profiling methods to identify bladder cancer-specific markers for non-invasive screening.

KO8 DK06137 Bhatt (PI); S Goodison (Co-sponsor/mentor) 3/1/04 – 2/28/08
NCI/NIH

CAR and adenoviral gene therapy for diabetic renal disease

The project involves genetic manipulation of adenoviral vectors for specific delivery of gene therapy cassettes to kidney cells.

Completed Research Support (last 3 years)

1-R21/R33-CA88351-01 07/01/2000 – 06/30/2004

Major Goals: To approach the alternative splicing problem in a systematic way from database construction to assay development to application of the technology in cancer classification

Role: Co-Investigator

Chugai Biopharmaceutical Research Contract 01/01/01 - 12/31/03

Major Goals: To create molecular profiles of metastatic tumors using microarray technologies.

Role: Co-PI

CA DHS/CA Cancer Res. Program 00-00753V-20121 07/01/2000 - 06/30/2002

Major goals: To identify which alternatively-spliced human telomerase reverse transcriptase (hTERT) mRNA species are expressed in cell-specific and tumor stage specific patterns.

Role: PI

5-UO1-CA NIH Molecular Profiling Consortium (Prostate) 01/03/2000 – 01/03/2005

Major goals: To correlate prostate disease gene expression profiles with clinical parameters.

Role: Co-Investigator