Curriculum Vitae: Gail Sinclair

Personal Details

Name: Gail Sinclair Date of birth: 19/04/73

Address: 31/5 Watson Crescent **Tel:** +44(0)7920262310

Edinburgh

EH11 1EY E-mail: gailsinclair@gmail.com

Education

University of Edinburgh

11/04 to present PhD in Informatics

Research Interest: Application driven data mining/computational linguistics.

Research Topic: Marking Time in Developmental Biology: retrieval and extraction of biological events in text.

Teaching Duties: Undergraduate - Data and Analysis; Computation and Logic; Reasoning and Agents;

Processing Formal and Natural Languages, Computer Literacy

MSc courses - Logic Programming; AI Programming in Prolog.

Visiting Student: Invited to visit Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO),

Sydney for the summer of 2006 for research collaboration and assistance with the local organisation of

the major conference in my PhD field (ACL).

Best poster winner: Finding the Hidden Knowledge: Text mining for biology and medicine Workshop,

Glasgow, February 2008

10/98 to 07/02 BSc(Hons)2:1 in Artificial Intelligence and Computer Science

Subjects studied: Databases, Machine Learning, Algorithmic/Computability Issues, Programming Methodology,

Statistical Natural Language Processing, Computer Networking, Research Methodology and Statistics, Cognitive Modelling, Cognitive Neuroscience of Language, Reasoning Agents,

Human-Computer Interaction

Honours Project: Surfing The Mouse Atlas

Based on Medical Research Council's Mouse Atlas: identifying inconsistencies in the existing

database and increasing user satisfaction with regards to search. Published.

Post Graduate Employment History

01/08-04/08 **Web Researcher** International Association for Pattern Recognition

Web mining of educational and research support materials in the area of Symbolic Pattern Recognition

10/02-10/04 **Research Associate** *University of Edinburgh (Edinburgh)*

Research in Bioinformatics in collaboration with the Department of Medical Informatics, Stanford University. My successful goal was to improve upon existing Stanford work on biomedical text classification according to Gene Ontology (GO) codes via lexical and syntactic properties of the text.

07/02-9/02 **Intern** *Human Genetics Unit (Edinburgh)*

Mining for biological entities and events, by both manual and automatic methods. Editing Mouse Atlas Database with information gained from undergraduate project

Computing Languages:

C, C++, HTML, Java, LaTeX, ML, Perl, PHP, Prolog, Python, SQL, UNIX/LINUX, XML

Human Languages:

Level 1 British Sign Language, Higher German, Higher French, basic Spanish

Personal Information

Volunteering: I find volunteering a rewarding experience that also enables me to meet new and varied people and as such am a keen volunteer in a variety of areas including conferences (IJCAI 2005, ISMB 2004, volunteer co-ordinator for ACL/Coling 2006), sports events (Edinburgh Marathon, Edinburgh Rat Race), conservation projects (ARCAS turtle conservation, Guatemala) and non-profit organisations (Yoga in Daily Life Ashram, Sydney).

Science Communication: I have been fortunate to be able to involve myself in the encouragement of school students to be interested in computer science so that they may apply it to their chosen career. This has been in the form of school visits, science festival demonstrations, open days and mentoring. I am a member of the *British Association* as well as the *Researchers in Residence* and *Science and Engineering Ambassadors* schemes.

Selected Peer-Reviewed Publications

Gail Sinclair and Bonnie Webber.

Marking Time in Developmental Biology: A corpus annotated for developmental entities and stages. ACL Workshop on BioNLP: Biological, translational and clinical language processing, Prague, June, 2007.

Gail Sinclair, Bonnie Webber and Duncan Davidson.

Marking Time in Developmental Biology: Annotating Developmental Events and their Links with Molecular Events. ACL Workshop on Annotating and Reasoning about Time and Events, Sydney, Australia, July, 2006.

Gail Sinclair, Bonnie Webber and Duncan Davidson.

Classification from Full Text: A Comparison of Canonical Sections of Scientific Papers.

Joint Workshop on Natural Language Processing in Biomedicine and its Applications, Geneva, August, 2004.

Shipra Dingare, Jenny Finkel, Chris Manning, Huy Nguyen, Malvina Nissim and Gail Sinclair.

Exploiting Context for Biomedical Entity Recognition: From Syntax to the Web.

Joint Workshop on Natural Language Processing in Biomedicine and its Applications, Geneva, August, 2004.

Jochen L. Leidner, Gail Sinclair, Bonnie Webber.

Grounding spatial named entities for information extraction and question answering.

HLT-NAACL Workshop: Analysis of Geographic References, Edmonton CA, May-June, 2003.

Gail Sinclair, Bonnie Webber and Duncan Davidson.

Enhanced Free Text Access to Anatomically-Indexed Data.

ACL Workshop on Natural Language Processing in the Biomedical Domain, Philadelphia PA, July 2002.

References available on request

CV also available online at http://www.gailsinclair.co.uk/CV/cv.html