

Sheryl L. Gares, Ph.D.
Associate Professor of Biology
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Education

Ph.D. (Immunology)	Dept. of Oncology, Faculty of Medicine, University of Alberta, Edmonton, AB	2000
M.Sc. (Microbiology)	Dept. of Microbiology, College of Medicine, University of Saskatchewan, Saskatoon, SK	1992
B.Sc. (High Honors) (Microbiology)	Dept. of Microbiology, College of Medicine, University of Saskatchewan, Saskatoon, SK	1987

Academic and Teaching Positions

Associate Chair, Dept. of Science Augustana Campus, University of Alberta	2018 – present
Acting Chair, Dept. of Science Augustana Campus, University of Alberta	2020 – 2021
Associate Professor of Biology Augustana Campus, University of Alberta	2014 – present
Assistant Professor of Biology Augustana Campus, University of Alberta	2008 – 2014
Sessional Lecturer in Biology Augustana Campus, University of Alberta	Fall 2007
Post-doctoral Fellow Dept. of Medicine, Faculty of Medicine & Dentistry, University of Alberta Supervisor: Dr. Klaus Gutfreund; Co-supervisor: Dr. D. Lorne Tyrrell	2004 - 2007
Post-doctoral Fellow Faculty of Pharmacy & Pharmaceutical Sciences, University of Alberta Supervisor: Dr. M. Suresh	2001 - 2003
Graduate Teaching Assistant Dept. of Immunology, Faculty of Medicine & Dentistry, University of Alberta	1995 – 1996

Undergraduate and Graduate Teaching Assistant**1986 – 1990**

Dept. of Microbiology, College of Medicine, University of Saskatchewan

Academic Awards and Prizes

Major Awards:

Canadian Association for the Study of the Liver Post-doctoral Fellowship	2005 - 2007
Alberta Cancer Board Graduate Studentship	1997 - 1998
Faculty of Medicine 75 th Anniversary Graduate Studentship	1996 - 1997
Alberta Heritage Foundation for Medical Research Graduate Studentship	1992 – 1996
Natural Sciences and Engineering Research Council Graduate Studentship	1988 – 1990

Minor Awards:

Meltzer Fund Fellowship Tuition Award; Dept. of Oncology	1998
Canadian Society for Immunology Travel Award	1996
Mary Louise Imrie Travel Award; University of Alberta	1995
Eric Kneen Memorial Award; American Society of Brewing Chemists	1994
Canadian Cancer Society (Saskatchewan Division) Summer Studentship	1986 & 1987
University of Saskatchewan Undergraduate Scholarship	1985 & 1986

Teaching Experience

Undergraduate Courses Prepared and Taught

- AIDS 137; Science Laboratory Experiences
- AUBIO 130; Cell Biology, Lecture and Lab/Tutorial Coordinator (2010 – 2014)
- AUBIO 111; Functional Biology, Lecture
- AUBIO 274; Microbiology, Lecture and Lab
- AUBIO 275; Microbiology of Eukaryotes, Lecture and Lab
- AUBIO 389; Molecular Biology of the Gene, Lecture
- AUBIO 371; Immunology, Lecture and Lab
- AUBIO 475; Pathogenic Mechanisms of Microorganisms, Lecture and Lab

Guest Lectures

- Prepared and presented a guest lecture for Kim Misfeldt's class, FYS 101: Protest, Sept. 2018, 2019, 2021
- Prepared and presented a guest lecture for Geoff Dipple's class, FYS 101: Beer, Aug. 2018 & 2019
- Prepared and presented a guest lecture for Jane Yardley's class, AUPED 344: Introduction to Human Nutrition, Oct. 24, 2016

Undergraduate Research

Supervision of Independent Study Courses:

- AUBIO 319; Directed Study with Sam Pennings. Do probiotic bacteria or their products inhibit the establishment or survival of *Candida albicans* biofilms on dental resins?
- AUBIO 318; Directed Reading with Kelsey Moch. Does ajoene impair *Pseudomonas aeruginosa* biofilm production in an in-vitro cell model?
- AUBIO 318; Directed Reading with Nick Penner. COVID-19: A Comprehensive Analysis and Action Plan.
- AUBIO 318; Directed Reading with Anna Montgomery. How does PRP function as a therapeutic in the treatment of osteoarthritis patients? Fall 2018.
- AUBIO 418; Directed Reading with Carmen Tessier. Examining the epidemiology, microbiology, pathogenesis, diagnosis and treatment of Lyme disease: A research review. Winter 2018.
- AUBIO 418; Directed Reading with Taylor Foreman. Interrupting the infectious cycle of human african trypanosomiasis caused by *Trypanosoma brucei rhodesiense* in Tanzania, Winter 2014.
- AUBIO 318; Directed Reading with Linnea Barisoff. Curcumin: a nutraceutical to spice up your diet while putting a blush in your cheek, Winter 2014.
- AUBIO 419; Directed Study with Hsin-yi (Cindy) Liu. Tracking T-helper cell differentiation using intracellular staining and flow cytometric analysis, Fall 2013.
- AUBIO 318; Directed Reading with Monique Jarrett. Is sunshine good medicine for Crohn's Disease: the effect of vitamin D on disease activity, Fall 2013.
- AUBIO 419; Directed Study with Kathleen Brager: The influence of vitamin A-deficiency on the production of cytokines in mouse spleens, Fall 2012.
- AUBIO 419; Directed Study with Allyson Cornelis: Retinoic acid decreases, but does not eliminate murine macrophage phagocytic activity or iNOS expression, Fall 2012.
Outstanding Independent Work Student Award for Fall Term, 2012.
- AUBIO 419; Directed Study with Kathleen Vasselin: A macrophage's internal struggle between inflammation and vitamin A, Fall 2012.
- AUBIO 318; Directed Reading with Kathleen Brager: A journey into the bowels of autoimmune disease: how nutrition affects the production of Th17 cells in the gut, Winter 2012.
- AUBIO 318; Directed Reading with Allyson Cornelis: The influence of retinoic acid on intrinsic abilities of macrophages, Fall 2011.
- AUBIO 318; Directed Reading with Kathleen Vasselin: Factors that influence macrophage secretion of IL12, Winter 2012.

- AUBIO 318, Directed Study with Afrin Biswas: Anti-malarial therapies for mosquitoes, Winter 2010

Supervision of Undergraduate Student Summer Research Projects

- Sammy Lowe: Developing independent laboratory research experiences for students in a senior biology course, 2017
- Cindy Liu: Tracking T helper cell differentiation using intracellular staining and flow cytometric analysis, 2013
- Kathleen Brager: Developing a model system of vitamin A deficiency, 2012.
- Allyson Cornelis: Influence of retinoic acid on phagocytosis and iNOS activity in macrophages, 2012.
- Kathleen Vasselin: Factors that influence macrophage secretion of IL12, 2012.
- Sandra Gawad Gad: Do dietary supplements affect the development of immunity? 2011.
- Lucas Hudec: Development of a whole cell immunoassay to rapidly detect *Lactococcus lactis*, 2011.
- Charley Switzer: Do dietary supplements affect the development of immunity? 2011.

Research Experience and Interests

Associate Professor of Biology

2008 – present

Dept. of Science, Augustana Campus, University of Alberta

My discipline-specific research interests include exploring how immune mechanisms are involved in various chronic diseases. Recent projects with undergraduate students explore the effects of nutrients like vitamin A on the development of innate and adaptive immune responses to bacterial challenge using ELISAs and flow cytometry to analyze cell cultures or tissues as the immune response develops. I have also developed a research program in the area of undergraduate science education. My recent project involved developing a course-based undergraduate research experience (CURE) with the assistance of one of our recent Augustana graduates, Sammy Lowe.

Post-doctoral Fellow

2004 - 2007

Dept. of Medicine, Faculty of Medicine & Dentistry, University of Alberta

Supervisor: Dr. Klaus Gutfreund; Co-supervisor: Dr. D. Lorne Tyrrell

Research Project: Exploring pathogenic mechanisms and immune responses in a duck model of chronic and acute duck hepatitis B virus infection.

Post-doctoral Fellow

2001 - 2003

Faculty of Pharmacy & Pharmaceutical Sciences, University of Alberta

Supervisor: Dr. M. Suresh

Research project: Development of GM2 ganglioside-based therapeutics and vaccines to treat or protect from melanoma tumors in a murine model.

Ph.D. Student

1992 – 2000

Dept. of Immunology/Oncology, Faculty of Medicine, University of Alberta.

Supervisor: Dr. Linda Pilarski

Thesis: Thymocyte motility is mediated by $\beta 1$ integrins and RHAMM

Research Project: Examined how RHAMM (CD168) and integrins on human thymocytes function to mediate motility. Project relied heavily on the use of computer-assisted time-lapse video microscopy, confocal microscopy and flow cytometry.

M.Sc. Student

1988 – 1991

Dept. of Microbiology, College of Medicine, University of Saskatchewan.

Supervisor: Dr. Barry Ziola

Thesis: Detection and identification of *Pectinatus* spp. with monoclonal antibodies.

Research project: Development of immunoassays for the rapid, sensitive detection of bacteria of importance in the brewing industry.

Undergraduate Research

1986 & 1987

Dept. of Microbiology, College of Medicine, University of Saskatchewan.

Supervisor: Dr. Barry Ziola

Summer research assistant and B.Sc. Honours Research Project

Research projects: Development and comparison of immunoassay methods to detect low level antigens on cell surfaces of tumour cells and virus-infected cells.

Funding for Research and Teaching Innovation

Teaching and Learning Enhancement Fund (TLEF), University of Alberta

July 2017

Professional Development: Attended annual Society for the Advancement of Biology Education (SABER) conference at University of Minneapolis to explore research in the area of undergraduate biology education

TLEF covered travel, hotel, food and meeting registration; \$ 2,185.75

Augustana Research Fund, Augustana Campus, University of Alberta

May - Aug. 2017

Research Project: Developing independent laboratory research experiences for students in a senior biology course

Student stipend and research costs for one undergraduate summer research assistant; \$8,060.00

Augustana Research Fund, Augustana Campus, University of Alberta

May - Aug. 2013

Research Project: Tracking T helper cell differentiation using intracellular staining and flow cytometric analysis

Student stipend and research costs for one undergraduate summer research assistant; \$10,500.00

Food and Health Innovation Initiative, Faculty ALES, University of Alberta 2012 – 2013

Research Project: Effect of vitamin A-deficiency on the immune function of gut-associated phagocytes and T cells in a mouse model of bacterial infection

Student stipend and research costs for 3 undergraduate summer research assistants; \$29,000.00

Food and Health Innovation Initiative, Faculty ALES, University of Alberta 2011 - 2012

Research Project: Effect of vitamin A-deficiency on the immune functions of macrophages and dendritic cells in a mouse model of infection

Student stipend for 1 undergraduate student and acquisition of equipment; \$23,850.00

Augustana Research Fund; Augustana Campus, University of Alberta May - Aug. 2011

Research Project 1: Do dietary supplements affect the development of immunity in a mouse model of infection?

Research Project 2: A whole cell immunoassay to rapidly detect *Lactococcus lactis*, a milk spoilage bacterium

Student stipend and research costs for 2 undergraduate summer research assistants; \$22,000.00

New Faculty Start-up Grant, Augustana Campus, University of Alberta 2008 –2011

Research Project: Exploring Techniques in Microbiology and Immunology

Acquisition of equipment, conference travel; \$10,000.00

University Service and Professional Development

- Chair, Strategic Enrollment Management Committee, 2021 – present
- Member of Search Committee for Assistant Professor of Biology, Augustana Campus, 2022
- Internal Reviewer, Dept. of Physiology Unit Review, March 2022
- Augustana Representative to Alberta Council on Admissions and Transfer (ACAC), 2019 – 2022
- Member Core Coordinating Committee (CCC), 2019 – 2022
- Elected member Augustana Curricular Innovation Coordinating Committee (CICC), 2018 - 2019
- Elected member Augustana Curriculum Review Research Committee (CRRC), 2017 - 2018
- Member Augustana Off-campus Experiential Learning Committee (OELC), 2017 – 2020
- Attended Society for the Advancement of Biology Education Research (SABER) National Meeting, University of Minnesota-Twin Cities, Minneapolis, MN, 2017 & 2018
- Attended annual Alberta Introductory Biologists Association (AIBA) Meeting, University of Calgary, Edmonton, AB, May 4, 2018
- Attended joint meeting of Annual Alberta Introductory Biology Association (AIBA) and

Augustana Conference on Undergraduate Research and Innovative Teaching ACURIT),
Augustana Campus, May 3 - 5, 2017

- Member of FYS Coordinating Committee, Sept. 2017 – June 2018 (1 year replacement for A. McIntosh's parental leave)
- Coordinated Augustana Campus *Nobel Lunch and Learn* series in association with Alumni Services, 2016 - 2017
- Attended annual Teaching Professor Conference, June 3 – 5, 2016, Washington, DC
- Attended and presented at annual Alberta Introductory Biologists Association (AIBA) Meeting, Red Deer College, Red Deer, AB, May 9 – 10, 2016
- Member of the organizing committee for Undergraduate Research in Science Conference of Alberta (URSCA), 2016
- Attended annual Association of American Colleges and Universities meeting on General Education and Assessment: From My Work to Our Work., New Orleans, LA, Feb. 18 – 20, 2016
- Reviewer for Alberta Innovates Health Solutions (AISH) summer studentship applications, Apr. 2016 - 2018
- Attended annual Alberta Introductory Biologists Association (AIBA) Meeting, University of Alberta, Edmonton, AB, May 11 – 12, 2015
- Member of Augustana's Committee for Academic Skills Assessment (CASA), 2013 – 2017
- Panel member for an Augustana Teaching Seminar, "Round Table on the Liberal Arts and Sciences, Jan. 28, 2013
- Member of Augustana Research Committee, 2012 – 2014
- Participant in the Augustana Spring Teaching Workshops, 2008 – 2013.
- Panel member for an Augustana Teaching Seminar, "Teaching Gender/Gendered Teaching", Jan. 23, 2012
- Participated in the Centre for Teaching and Learning (CTL) 5 day workshop "The Teaching and Learning Essentials, Aug. 2010.
- Participated in Teaching Squares at Augustana, Fall 2009.
- Attended a Council on Undergraduate Research (CUR) Institute, "Beginning a Research Program in the Natural Sciences at an Undergraduate Institution", Nov. 20 – 22, 2009.
- Invited panel member for a CTL "New Professor Orientation", "What is the purpose of higher education?" and "How do you facilitate student engagement in the classroom?" Aug. 11, 2009.
- Engaged a CTL peer consultant to obtain student feedback on the structure of the Immunology course and my proposal to add a laboratory component to enhance the course, Winter 2009.
- Member of Search Committee for Assistant Professor of Biology, Augustana Campus, 2008 - '09.
- Attended the CTL "New Professor Orientation", Aug. 25 – 27, 2008.
- Completed the post-doctoral fellows professional development training

- Coordinated the University of Alberta Immune Journal Club series, 2007.
- Served on the Election Committee for the inaugural election of a University of Alberta PDF Association Executive Council, Spring 2007.
- Served as the Dept. of Oncology, University of Alberta graduate student's president and organized the inaugural Oncology Graduate Student Journal Club series, 1998 – 1999.
- Member of the search committee for the Dean of Medicine, University of Alberta, 1993 – 1994.
- Member of the graduate student organizing committee that initiated the "Distinguished Immunologist" visiting speaker series, Dept. of Immunology, University of Alberta, 1992 – 1993.
- Served as the Dept. of Immunology representative to the graduate student's association, University of Alberta, 1992 - 1993.

Memberships

- Undergraduate Biology Educators of Alberta (UBEA). Formerly Alberta Introductory Biology Association (AIBA)
- Society for Teaching and Learning in Higher Education (STLHE)
- Canadian Society for Immunology, graduate student and post-doctoral member
- University of Alberta Academic Women's Association

Publications

Articles in Undergraduate Research Journals:

Cornelis, Allyson (Mentor: **Sheryl L. Gares**). 2013. Retinoic acid decreases but does not eliminate murine macrophage phagocytic activity and iNOS expression. *Metamorphosis*. Spring 2013.

Articles in Peer-reviewed Journals and Proceedings:

Blokland, Ian, Sheryl Gares, & Brian Rempel. 2021. Measuring changes in scientific skills and attitudes for non-science-majors in a three-week laboratory course. 6th International STEM in Education Conference, STEM 2021 Proceedings: 47 – 53.

Lemelin, Cosette, Cole Gross, Renette Bertholet, **Sheryl Gares**, Mark Hall, Hani Henein, Valentina Kozlova, Michelle Spila, Valentin Villatoro & Haave, Neil. 2021. Mitigating student resistance to active learning by constructing resilient classrooms. *Bioscene: J. College Biol Teaching*. 47 (2): 2 – 8.

Gares, Sheryl, James Kariuki, Brian Rempel. 2020. Community Matters: Student-instructor Relationships Foster Student Motivation and Engagement in an Emergency Remote Teaching Environment. *J. Chem Educ.* 97: 3332 – 3335.

Fischer, Karl P., **Sheryl L. Gares**, Dakun Wang, D. Lorne Tyrrell and Klaus S. Gutfreund. 2007. Identification and characterization of functional CD154 (CD40 ligand) in the Pekin duck. *Dev. Comp. Immunol.* 31: 61 - 71.

Gares, Sheryl L., Karl P. Fischer, Stephen Congly, Stacey Lacoste, William R. Addison, D. Lorne Tyrrell and Klaus S. Gutfreund. 2006. Immunotargeting with CD154 (CD40 ligand) enhances DNA vaccine responses in ducks. *Clin. Vaccine Immunol.* 13:958 - 965.

Das, Dipankar, **Sheryl L. Gares**, Les P. Nagata and Mavanur R. Suresh. 2004. Cloning and evaluation of the E1 subunit vaccine of Western Equine Encephalitis virus. *Antiviral Res.* 64:85 – 92.

Pilarski, Linda, Christopher Maxwell and **Sheryl L. Gares**. 2001. RHAMM (CD168, IHABP). *PROW* 2: 76 – 84

Pilarski, L. M., **S. L. Gares**, E. Pruski, D. Paine and J. Wisniak. Surface and intracellular RHAMM in/on stem cells, thymocytes, peripheral B and T cells and myeloma B cells. *Proceedings of the 7th Human Leukocyte Differentiation Antigens Workshop*, 2002. Editor: David Mason. pp. 24 - 29.

Gares, S. L. and L. M. Pilarski. 2000. Balancing thymocyte adhesion and motility: a functional linkage between $\beta 1$ integrins and the motility receptor RHAMM. *Dev. Immunol.* 7:209 - 225.

Gares, S. L. and L. M. Pilarski. 1999. Beta1-integrins control spontaneous adhesion and motility of human progenitor thymocytes and regulate differentiation-dependent expression of the receptor for hyaluronan-mediated motility. *Scand. J. Immunol.* 50: 626 – 634.

Ziola, Barry, **Sheryl L. Gares**, Brandene Lorrain, Lori Gee, W. M. Ingledew and Sun Y. Lee. 1999. Epitope mapping of monoclonal antibodies specific for the directly cross-linked *meso*-diaminopimelic acid peptidoglycan found in the anaerobic beer spoilage bacterium *Pectinatus cerevisiiphilus*. *Can. J. Microbiol.* 45: 779 - 785.

Whiting, Michael S., **Sheryl L. Gares**, W. M. Ingledew and Barry Ziola. 1999. Brewing spoilage lactobacilli detected using monoclonal antibodies to bacterial surface antigens. *Can. J. Microbiol.* 45: 51 - 58.

Gares, S. L., N. Giannakopoulos, D. MacNeil, R. J. Faull and L. M. Pilarski. 1998. During human thymic development, $\beta 1$ integrins regulate adhesion, motility and the outcome of RHAMM/hyaluronan engagement. *J. Leuk. Biol.* 64: 781 – 790.

***Gares, Sheryl L.**, M. Whiting, W. M. Ingledew and B. Ziola. 1993. Detection and identification of *Pectinatus cerevisiiphilus* using surface-reactive monoclonal antibodies in a membrane filter-based fluoroimmunoassay. *J. Am. Soc. Brew. Chem.* 51: 158 - 163.

** Article selected as 'Best Article' published in the journal for 1993 and was awarded the Eric Kneen Memorial (monetary award).*

Poster Presentations:

Gares, Sheryl. 2018. Designing independent research experiences for biology students enrolled in a traditional senior biology course. Annual Meeting for the Society for the Advancement of Biology Education Research (SABER), Minneapolis, MN, July 27 – 29, 2018, **Abstract #208**

Blokland, Ian, **Sheryl Gares** & Brian Rempel. 2018. Measuring Scientific Literacy. Canadian Association of Physicists Annual Congress, Halifax, NS, June 11-15, 2018, **Abstract #1947**

Rempel, Brian, Ian Blokland & **Sheryl Gares.** 2018. Development and Calibration of the Augustana Interdisciplinary Scientific Literacy Evaluation (AISLE). 101st Annual Canadian Chemistry Conference. Edmonton, AB, May 27 – 31, 2018, **Abstract #18148**

Gao, Yanhua, A. Arantes, J. Li, Arun Kommadath, Tingting Ju, Shay Forget, **Sheryl L. Gares**, Graham Plastow, Paul Stothard, Daniel Barreda and Benjamin Willing. 2015. Amoxicillin in the neonatal period alters blood transcriptome prediction of Salmonella shedding in later life. Cell Symposia: Human Immunity and the Microbiome in Health and Disease, Montreal, PQ, Sept. 27 – 29

Brager, Katie and **Sheryl L. Gares.** 2013. Now I've spleen everything! A study of the effects of a vitamin A-deficient diet on the production of T cell cytokines in mouse spleens. National Conference on Undergraduate Research (NCUR) Annual Meeting, **Abstract #25B**

Brager, Katie, Allyson Cornelis, Kathleen Vasselin and **Sheryl Gares.** 2012. Effect of dietary vitamin A-deficiency on immune cells in a mouse model of bacterial infection. Second Annual Student's Union Undergraduate Research Symposium, University of Alberta, **Abstract #50**

Switzer, C., S G Gad and **S. L. Gares.** 2011. Developing methods to investigate the effect of vitamin A on innate immune cells. First Annual Student's Union Undergraduate Research Symposium, University of Alberta, **Abstract #52**

Gares, S. L., D. L. Tyrrell and K. S. Gutfreund. 2007. Chronic DHBV infection in ducks correlates with expression of the Th2 cytokine IL10. University of Alberta Post-doctoral fellows Annual Research Day, **9 and** University of Alberta Dept. of Medicine Research Day, **Abstract #23**

Gares, S. L., K. P. Fischer, D. L. Tyrrell and K. S. Gutfreund. 2006. Chronic DHBV infection in ducks correlates with expression of the Th2 cytokine IL10. International Meeting of the Molecular Biology of Hepatitis B Viruses, **Abstract #P73**

Gares, S. L., K. P. Fischer, D. L. Tyrrell and K. S. Gutfreund. 2006. Evaluating immune responses to a DNA vaccine in the duck hepatitis B model. University of Alberta Post-doctoral fellows Annual Research Day, **23 and** University of Alberta Immunet Research Retreat

Gutfreund, K., K. P. Fischer, **S. L. Gares**, S. Congly, S. Lacoste and D. L. J. Tyrrell. 2004. CD40-targeted immunotherapy in the duck hepatitis B virus (DHBV) model. MBL Hepatitis B Meeting

*Das, D., ***S. L. Gares**, J. F. Nomellini, J. Smit and M. Suresh. 2003. Multimeric surface expression of the tumor-associated Muc-1 antigen on *Caulobacter* elicits immunity. Annual Meeting of the Canadian Bacterial Diseases Network (CBDN). **Abstract #399**

*Equivalent contributors

Gares, Sheryl L., Nadia Giannakopoulos and Linda M. Pilarski. 1999. Cellular redistribution of the hyaluronan receptor RHAMM is regulated by HA. Annual Meeting of the American Association of Immunologists

Gares, Sheryl L., Mary Crainie and Linda M. Pilarski. 1999 Cellular Redistribution of the hyaluronan (HA) receptor RHAMM is regulated by HA binding. Thirteenth Spring Meeting of the Canadian Society for Immunology, **Abstract #124**

Gares, Sheryl L. and Linda M. Pilarski. 1997. Hyaluronan binding modulates expression of the hyaluronan binding motility receptor, RHAMM, on human thymocytes. Eleventh Spring Meeting of the Canadian Society for Immunology, **Abstract #90**

Pilarski, Linda, Donna MacNeil and **Sheryl Gares**. 1997. Alpha5 beta1 integrin mediates developmentally regulated fibronectin-independent adhesion or motility by human thymocytes. Eleventh Spring Meeting of the Canadian Society for Immunology, **Abstract #86**

Gares, Sheryl L. Eva A. Turley and Linda M. Pilarski (Spon: H. Ostergaard) 1996. Hyaluronan binding to human thymocytes is enhanced by anti-RHAMM antibodies. Annual Meeting of the American Association of Immunologists New Orleans, **Abstract #A-149**

Gares, Sheryl L., Eva A. Turley and Linda M. Pilarski. 1996. Hyaluronan binding to human thymocytes is enhanced by anti-RHAMM antibodies. Tenth Spring Meeting of the Canadian Society for Immunology, **Abstract #6.2**

Gares, Sheryl L., D. MacNeil, L. M. Pilarski and E. A. Turley. 1995. Functional relationship between $\beta 1$ integrins and RHAMM, a receptor for hyaluronan-mediated motility. The 9th International Congress of Immunology, **Abstract #1546**

Gares, Sheryl L., Donna MacNeil, Eva A. Turley and Linda M. Pilarski. 1995. Functional relationship between $\beta 1$ integrins and RHAMM, a receptor for hyaluronan-mediated motility. Ninth Spring Meeting of the Canadian Society for Immunology, **Abstract #2-32**

Havele, Calliopi, **Sheryl L. Gares** and Peter A. Bretscher. 1993. Conditions for the upregulation of IL2 synthesis by cyclosporin A. Seventh Spring Meeting for the Canadian Society for Immunology, **Abstract #12-15**

Havele, Calliopi and **Sheryl L. Gares**. 1993. Qualitative and quantitative variables define the conditions for the primary induction of antigen-specific CD4⁺ T cell subsets producing IL2 or IL4. Seventh Spring Meeting for the Canadian Society for Immunology, **Abstract #12-16**

Gares, Sheryl L., M. Whiting, W. M. Ingledew and B. Ziola. 1992. Detection and identification of *Pectinatus cerevisiiphilus* using surface-reactive monoclonal antibodies in a membrane filter-based fluoroimmunoassay. 58th Annual Meeting American Society of Brewing Chemists, Sept. 9 – 12

Havele, C. and **Sheryl L. Gares**. 1991. A novel regulatory function of CD8⁺ T Cells: Inhibition of the primary induction by antigen of IL4 producing T Cells. Fifth Spring Meeting for the Canadian Society for Immunology, **Abstract #11-6**

Ziola, B., M. Whiting, **S. Gares** and W. M. Ingledew. 1989. Enzyme immunoassay detection of bacterial contaminants in breweries. Industrial Microbiology Annual Meeting, Aug. 13 - 18.

Archer, Tim, **Sheryl L. Gares** and B. Ziola. 1988. Comparison of three immunoassay methods for detection of low level, low avidity antibodies to surface antigens on virus-infected cells and on tumor Cells. Canadian Society of Microbiology, **Abstract #37**.

Oral Presentations (presenter indicated by *):

Gares, Sheryl L.*, Ian R. Blokland and Brian P. Rempel 2019. Can we increase students' scientific literacy while minimizing disciplinary content in a multidisciplinary science course? Western Conference on Science Education (WCSE), University of Western Ontario, London, ON, July 3 – 5, 2019, **Abstract#1432**

Gares, Sheryl L.* 2019. Can CUREs Cure the Ennui of Science Education? Augustana Conference on Undergraduate Research and Innovative Teaching, Augustana Campus, University of Alberta, May 14 & 15, 2019

Bertholet, Renette*, **Sheryl Gares***, Mark Hall*, Hani Henein*, Valentina Kozlova*, Michelle Spila*, Valentin Villatoro*, Neil Haave, Cosette Lemelin, Cole Gross. 2019. Resistance is futile: Strategies for building resilience for active learning. Festival of Teaching & Learning Plenary, University of Alberta, Edmonton, AB, May 2, 2019

Wilton, Shauna*, Mélanie Méthot, **Sheryl Gares** & Paul Johnson. 2017. Riding the Wave: Faculty Perceptions of Assessment and Voluntary Compliance. Sixth International Assessment in Higher Education Conference, Manchester, UK, June 28 & 29, 2017, **Abstract #107**

Lowe, Sammy* and **Sheryl Gares**. 2017. From learner to researcher and back again: Complementing teaching practices with student-led research. Augustana Conference on Undergraduate Research and Innovative Teaching, Augustana Campus, University of Alberta, May 3 & 4, 2017

Gares, Sheryl. 2016. Using the case study to develop student researcher-thinker-communication skills. Alberta Introductory Biologists Association Annual Meeting, Red Deer College, Red Deer, AB, May 2016

Cornelis, Allyson* and **Sheryl L. Gares**. 2013. Vitamins, macrophages and enzymes, oh my! The influence of vitamin A on macrophage functions. National Conference on Undergraduate Research (NCUR) Annual Meeting, La Crosse, WI, April 2013

Gares, Sheryl L.* and Linda Pilarski. 1999. Cellular redistribution of the hyaluronan receptor RHAMM is regulated by HA. Annual Meeting of the American Association of Immunologists, Washington, DC, April 1999

Gares, Sheryl L.* and Linda Pilarski. 1996. Hyaluronan binding to human thymocytes is enhanced by anti-RHAMM antibodies. Canadian Society for Immunology, Montreal, PQ, March 1996

Faculty Colloquia and Public Presentations:

Gares, Sheryl & Rebecca Purc-Stephenson. Surviving the Pandemic: Inventions and Preventions for the Mind and Body. Augustana Alumni Office Lunch and Learn, Feb. 2021.

Gares, Sheryl & Rebecca Purc-Stephenson. When Science and Society Clash: Vaccinations and Public Health. Augustana Alumni Office Lunch and Learn, Nov. 2019.

Gares, Sheryl. *Nobel prize for medicine or physiology*. Lunch and Learn Series, Augustana Campus, Dec. 2015, 2018, 2020

Gares, Sheryl, Peter Berg, Alex Carpenter, Geoff Dipple, Lars Hallstrom, Judy Liao, & Ian Wilson. *Tales from the block*. Augustana Teaching Seminar, Augustana Campus, Feb. 23, 2018

Gares, Sheryl, Doris Audet, Neil Haave & Anne McIntosh. *From active learning to engaging syllabi: New ideas from the Teaching Professor Conference*, Augustana Teaching Seminar, Augustana Campus, Nov. 28, 2016

Gares, Sheryl L.. 2008. Food, Microbes and the Food Industry. Augustana Campus Annual Theme Symposium, Feb. 28, 2008.