

# Michaela Robbie Ryan, PhD

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## SUMMARY

Since 2006, I have applied my background in biomedical research to independent science and medical writing for continuing medical education (CME) and non-commercial projects. I excel at producing well-written and well-researched products for my clients that are both on time and on budget. Areas of expertise include, but are not limited to:

- Immunology/Allergy/Autoimmune Diseases
- Endocrinology
- Bone Biology/Osteoporosis
- Virology
- Hematology/Oncology
- Rheumatology

## EXPERIENCE

### Independent Science and Medical Writer

MRR Scientific LLC, 2006-present

- Research and prepare complex monographs
- Author scripts and prepare slide decks
- Author abstract reviews and meeting summaries
- Author needs assessments
- Edit manuscripts and grant proposals

Recent clients include Expert Consult (Elsevier), Clinical Advances in Hematology and Oncology, Gastroenterology & Hepatology, Sui Generis Health, and Core Create.

### Post-Doctoral Fellow

Division of Endocrinology, Emory University, September 2003-July 2006

*Area of research:* Immunology/Endocrinology

- Authored scientific manuscripts
- Developed and submitted successfully funded grant proposal
- Edited manuscripts and grant proposals for colleagues and supervisors
- Designed and analyzed scientific experiments
- Presented research findings at international meetings
- Facilitated collaborations across the university

### Doctoral Candidate

Department of Pathology, Emory University, September 1999-July 2003.

*Area of research:* Immunology/Autoimmune disease

- Authored scientific manuscripts and doctoral dissertation
- Designed and analyzed scientific experiments

- Presented posters at national scientific meetings

## EDUCATION

**Ph.D. in Immunology and Molecular Pathogenesis**, Emory University, Atlanta, GA, July 2003

**B.S. in Biochemistry and Cell Biology** (*cum laude*), Bucknell University, Lewisburg, PA, May 1998

## SKILLS

**Communication:** Science/medical writing, editing grant proposals and scientific manuscripts, public speaking, oral and poster presentations, slide decks

**Computer:** Adobe, MS Excel, MS Word, MS PowerPoint, Endnote

## AWARDS and AFFILIATIONS

2006 NIH/NIDDK K01 Grant award

Member, American Medical Writers Association

## SCIENTIFIC PUBLICATIONS

Robbie-Ryan, M., Tanzola, M. B., Secor, V. H., and Brown, M. A. (2003). Cutting edge: Both activating and inhibitory Fc receptors expressed on mast cells regulate experimental allergic encephalomyelitis disease severity. *J Immunol* 170: 1630-1634.

Tanzola\*, M.B., Robbie-Ryan\*, M., Gutekunst, C.A., and Brown, M.A. (2003). Mast cells exert effects outside the central nervous system to influence experimental allergic encephalomyelitis disease course. *J Immunol* 171:4385-4391.

\*Co-first author

Robbie-Ryan, M., and Brown, M.A. (2002). The role of mast cells in allergy and autoimmunity. *Curr Opin Immunol* 14: 728-733.

Brown, M.A., Tanzola, M., and Robbie-Ryan, M. (2002). Mechanisms underlying mast cell influence on EAE disease course. *Mol Immunol* 38: 1373.

Gregory\*, G.D., Robbie-Ryan, M.\*, Secor, V.H., Sabatino, J., and Brown M.A. (2005). Mast cells are required for optimal autoreactive T cell responses in a murine model of Multiple Sclerosis. *Eur J Immunol* 35: 3478.

\*Co-first author

Gregory, G.D., Bickford, A., Robbie-Ryan, M., Tanzola, M., and Brown M.A. (2005). MASTering the immune response: mast cells and autoimmunity. *Novartis Found Symp.* 271: 215.

Robbie Ryan, M., Shepherd, R., Leavey, J., Gao, Y., Grassi, F., Schnell, F.J., Qian, W. -P., Kersh, G.J., Weitzmann, M.N., and Pacifici, R. (2005). An IL-7-dependent rebound in thymic T cell output contributes to the bone loss induced by estrogen deficiency. *Proc Natl Acad Sci U S A.* 102:16735.

Robbie-Ryan, M., Pacifici, R., and M.N. Weitzmann. (2006). IL-7 drives T cell-mediated bone loss following ovariectomy. *Ann NY Acad Sci.* 1068: 348.

Gao, Y., Grassi, F., Ryan, M.R., Teruchi, M., Page, K., Yang, X., Weitzmann, M.N., and Pacifici R. (2007). IFN-gamma stimulates osteoclast formation and bone loss in vivo via antigen-driven T cell activation. *J Clin Invest* 117:122.

**References and writing samples are available upon request**