

**January 2010**  
**Simulations Specialist/Psychometrician**

---

**POSITION SUMMARY:**

This position is primarily involved in research and development activities, designed to enhance the psychometric quality and integrity of ABIM computer-based performance assessment products. This position provides expertise in development of new performance assessments and enhancements to current products such as the addition of multimedia. A core value is to assure that new or enhanced assessments maintain the highest possible validity. The position reports to the Director of Psychometric Operations Research.

**PRINCIPLE DUTIES AND RESPONSIBILITIES:**

- Lead projects developing new assessment products that may include multimedia, medical case simulation, and high-fidelity simulations
- Coordinate work with expert physicians and staff from other departments to design new assessments
- Provide mentoring support to staff on psychometric issues, particularly new assessment methodology
- Maintain currency with developments in the psychometric field, especially other large scale testing programs.
- Collaborate on research and development projects within and across departments as well as with external organizations
- Prepare internal technical reports and background/discussion papers related to assigned projects
- Author manuscripts in peer-reviewed journals; present scholarly research at professional meetings and to those outside the testing community

**KNOWLEDGE, SKILLS, AND ABILITIES:**

- Strong foundation in psychometrics, including latent trait models
- Understanding of test development, including cognitive aspects
- Strong background in research design, methodologies, and analytical procedures/statistical analysis
- High level of proficiency with statistical software packages (e.g., SAS)
- Strong understanding of innovative assessments (e.g., simulations, multimedia)
- Strong understanding of classification testing
- Excellent verbal and written communication, planning, analytical, and problem-solving skills
- Ability to prioritize tasks, meet deadlines and work both independently and as part of a team.
- Ability to lead group processes
- Excellent interpersonal skills
- Willing to travel as needed to perform job functions

**TRAINING AND EXPERIENCE:**

Ph.D. in measurement or a related field  
Two years professional experience in performance assessment

If you are interested in applying for this position please forward your resume to [resumehr@abim.org](mailto:resumehr@abim.org) or contact Chris Brod or Donna Campbell in the Human Resources office.