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Job Description

SR. HUMAN FACTORS ENGINEER (DALLAS OR CHICAGO)-150000DZU

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Description

Primary Function

This position in Abbott Diagnostic Division would be responsible for human factor support that would influence the design and evaluation of next generation and on-market product lines. Responsibilities will cover but not limited to the design of hardware and software, and labeling, for medical products including devices, support systems and associated training /instructional elements. The main objective of these activities is to produce safe, reliable, easy-to-use/intuitive, and easy-to-maintain medical products in furthering the Abbott goals of developing products that are compelling for our customers.

Primary Responsibilities

Responsible for implementing and maintaining the effectiveness of the quality system

- Provide human factors and design validation support to R&D teams
- Participate in teams to design and develop user interfaces (hardware, software, labeling, instructions and training)
- Participate in teams to develop user requirements
- Lead Use Error Analysis activities as part of use-related risk analysis and mitigation efforts
- Conduct expert evaluations, brainstorming sessions, competitive analysis, and other usability engineering methodologies with both internal teams and external vendors
- Design, plan, execute and document simulated-use usability tests, field studies, focus groups, contextual inquiry studies, survey and questionnaire creation, and other usability evaluation methods

Position Accountability / Scope:

Works under general management direction.

Normally determines technical objectives of assignments.

Exercises latitude in approach to problem and solution.

Prepares design specifications and recommendations for presentation and approval.

Work is reviewed to determine if desired results and objective have been achieved.

Qualifications

Minimum Education:

B.S. Engineering or equivalent plus progressive technical experience and demonstrated competence. Knowledge of regulations and standards affecting IVDs and Biologics.

Preferred Qualifications:

- Master's degree or Ph.D. in Human Factors Engineering, Industrial Engineering, Cognitive Psychology, Computer Science or equivalent combination of education and experience.
- Minimum 3 years general human factors/usability engineering experience or 1 years medical human factors/usability experience
- General knowledge of user interface design, human perception, cognition, anthropometry, biomechanics and physiology
- Experience in the areas of gathering user requirements, use scenario development, contextual inquiry, use-based risk analysis, conducting usability evaluations, and questionnaire/survey design required
- Ability to work autonomously or in a team setting with high-level direction
- Experience with workflow and usability analysis; experience designing solutions to usability issues
- Excellent collaboration and organization skills
- Excellent verbal and written communication skills
- Ability to multi-task in a fast-paced environment
- Certification in Human Factors (CPE or CHFP) is a plus
- Familiarization with medical product design regulations, regulatory guidance and standards
- Demonstrated experience in dealing with multiple projects at the same time.
- Demonstrated effective communications across functions, across disciplines and in presenting data to management (two or three levels up).

Significant Work Activities and Conditions Continuous sitting for prolonged periods (more than 2 consecutive hours in an 8 hour day)

Job Classification: Experienced

Job: ENGINEERING

Primary Location: USA-Texas-Irving

Other Locations: USA-Illinois-Chicago

Organization: ADD-Diagnostics | **Hiring Manager:** John-Paul Stephens

Schedule: Full-time | **Shift:** Day

Travel: Yes, 15 % of the Time

Posting Grade: US/oB6/000/00/o

Interested candidates should apply at the job board for Abbott Laboratories or send resume to john.paul.stephens@abbott.com or ila.elson@abbott.com.