## Salaries and Wages: Salaries for all personnel are based upon current University of Texas at Dallas academic and staff salary scales. Prof. Sanda Harabagiu, Principal Investigator, provides the overall direction and management of the Aim 2: Automatically Critical Clinical Concepts in EEG Report, and Aim 3: Automatic Patient Cohort Retrieval of the project entitled “Automatic Processing and Discovery of Patient Cohorts from EEGs and EEG Reports” as well as participating in the technical research and publication activities. Prof. Sanda Harabagiu, collaborates closely with Professors Joseph Picone and Iyad Obeid from Temple University as well as the physicians from Temple Hospital involved in the project. She works closely with Prof. Picone and Obeid to design the annotations required for Aim 2 as well as to integrate the results from Temple University in her work. In addition, she collaborates on the evaluation of the patient cohort retrieval system as well as the evaluation of the results of the automatic processing of critical clinical concepts that were developed at UTD. Prof. Harabagiu also supervises the research of two graduate PhD students. This research will form the core of two PhD dissertations. During the no cost extension of the project, Prof. Sanda Harabagiu will supervise the students with indexing the latest release from Temple University of the seizure data and its incorporation into the final patient cohort retrieval system. She will supervise her students to release all the software implemented in this project and to report on all findings. In addition, we will perform the analysis of the results and the judgements for the queries generated by neurologists. We request summer salary support for Prof. Sanda Harabagiu at a level of 1/2 month for the no cost extension of the project. However, Prof. Harabagiu shall direct the research of this project throughout the year.

## We request salary support for 1 month of one graduate research assistant. This graduate assistant, namely Ramon Maldonado, is a qualified PhD student that has worked for three years on the project. He will have a support at 50% time during the month he will work on the project to create a new index, when the latest release from Temple University shall be available, and to prepare the release of the patient cohort with the new index. Ramon Maldonado shall be helped by a second PhD student, namely Stuart Taylor, a qualified PhD student in Computer Science, who has worked for two years on the project, to analyze the impact of negation detection on the new patient cohort retrieval. We request only 1 month of graduate research assistantship split between the two PhD students, payed at the rate of $2100/month for 50% time, which is the rate mandated in our school for qualified PhD students.

**Benefits:** Employee benefits were estimated using the published University of Texas at Dallas rates. Benefit rates used in this proposal are 20% of salary of the PI and 15% for graduate students during the academic year and summer months.

**Travel:** A total of 2 domestic trips are requested yearly to attend technical meetings and workshops that are relevant to the project’s overall research, and for scientific exchange. Both PhD students have submitted papers to the AMIA conferences. Domestic trips are estimated at $1500 each roundtrip. Expenses include estimates for airfare, ground transportation, hotel accommodations, registration for conferences and workshops (if applicable), and per diem. Relevant conferences where we anticipate publishing the results are the annual AMIA symposium and the annual AMIA Summit on Clinical Research..

**Materials and Supplies:** no costs for materials and supplied are requested.

**Publications Costs/page charges:** no costs for publications are requested.

**Other:** Tuition reimbursement is requested for the graduate research assistants at a level of $0 per year. Under agreement by The University of Texas at Dallas, tuition for “doctorally qualified” PhD students, who are supported by an RA on an externally funded grant, will have their tuition paid by the Provost. The students proposed to be used on this project qualify for this benefit, and therefore, no tuition is being requested.

**Indirect Costs:** Indirect costs were estimated in accordance with UTD’s rate agreement, which was approved by DHHS, the Federal Cognizant Audit Agency for UTD on 9/01/08. The organized research F&A cost rate of 53% MTDC was used based on the nature of the proposed work.