



UNIVERSITÀ DEGLI STUDI DI PAVIA

DIPARTIMENTO
DI FISICA NUCLEARE E TEORICA

Via Bassi 6 - 27100 PAVIA (Italy)

Translation of the original letter in Italian.

July 12, 2010

To: Prof. A. Stella
President University of Pavia
Strada Nuova, 65
27100, Pavia, Italy

Prof. Rampa
Vice-President University of Pavia

Prof. Balduini
Director of Research University of Pavia

Copy: Dr. V. Vigna
Cardio-Surgeon I.R.C.S.S, Policlinic S. Matteo, Pavia
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SUBJECT: Research and development of a low dosage, high-efficiency PET

Dear President Stella,

I am writing this letter upon request by Dr. Crosetto with whom I have been having in-depth discussions through conference calls together with other physicists across the world, and exchanged documents in regards to the proposal to build a new high-efficiency PET device called 3D-CBS, proposed by Dr. Crosetto. This equipment is designed to minimize the radiation dosage to the patient, a dose much lower than those required by current PET. The 3D-CBS maximizes the utilization of the radiation by capturing all possible signals from the tumor marker with respect to existing solutions at the lowest cost per signal captured while maintaining image resolution. This is all thanks to the innovations in the field of electronics by Dr. Crosetto and those he extended later to other fields such as: detector assembly, capability to execute complex algorithms in real-time, and other innovations as described in the attached documents. I am also attaching a document that describes the key features of the proposed 3D-CBS system.

To conclude, I find that this proposal is scientifically sound and it is my professional opinion that the 3D-CBS technology should be developed, possibly in collaboration with our University. I hope, therefore, that funding resources could be found locally, despite the current difficult economic situation, for example funds from local Bank Foundations or by European funding.

I am available for further clarification if necessary and I send you my best regards,

D. Scannicchio
Medical Physics Director
University of Pavia, Italy