

## 2010 年度

### 1. 学術論文、国際会議プロシーディング等、分担執筆

(国際会議プロシーディング等)

- (1) Takei T., Okamoto S., Takeuchi W., Morimoto Y., Umegaki K., Matsuzaki K., Hara T., Fukuda S., Tamaki N., “**A new PET scanner with semiconductor detectors can decrease false-positive findings in the metastatic survey of head & neck cancer patients**” The 8<sup>th</sup> International Symposium for Future Drug Discovery and Medical Care, Sapporo, Japan, 2010.9.1-2
- (2) Hattori N., Shiga T., Takeuchi W., Hirata K., Usui R., Kubo N., Morimoto Y., Umegaki K., Tamaki N.: “**Improved deep brain assessments resulted in reduced cortical FDG uptake after normalization with a new semiconductor PET**” The 57<sup>th</sup> SNM Annual Meeting, Society of Nuclear Medicine, Salt Lake City, USA, 2010.6.5-9
- (3) Takei T., Okamoto S., Takeuchi W., Morimoto Y., Umegaki K., Matsuzaki K., Hara T., Fukuda S., Tamaki N.: “**A new PET scanner with semiconductor detectors can decrease false-positive findings in the metastatic survey of head & neck cancer patients**” The 57<sup>th</sup> SNM Annual Meeting, Society of Nuclear Medicine, Salt Lake City, USA, 2010.6.5-9
- (4) Shiga T., Morimoto Y., Kubo N., Shiraishi H., Takeuchi W., Kojima S., Umegaki K., Saitoh S., Tamaki N.: “**Semiconductor PET for Brain Imaging**” 15<sup>th</sup> Workshop of The German-Japanese Radiological Affiliation, Tokyo, Japan, 2010.5.21-23

(分担執筆)

Morimoto Y., Ueno Y., Kojima S., Takeuchi W., Ishitsu T., Matsuzaki K., Umegaki K., Kubo N., Katoh C., Zhao S., Shiga T., Tamaki N., “**Development of a Prototype 3D PET Scanner using Semiconductor Detectors and Depth of Interaction Information**” Molecular Imaging for Integrated Medical Therapy and Drug Development (Tamaki N., Kuge Y. eds.), Springer(Springer Science + Business Media), Heidelberg, 2010, pp30-41

### 2. 著書、解説・総説

- (1) 玉木, 志賀, 森本, 梅垣: 次世代 PET の開発動向 2) 半導体 PET, INNERVISION 25(12) 44-47 (2010)

### 3. 知的財産権

(国内登録特許)

- (1) 「PET装置」特許4604974(2010.10.15)
- (2) 「放射線検出器, 放射線検出素子及び放射線撮像装置」特許4582022(2010.9.10)
- (3) 「加速器利用システム」特許4537924(2010.6.25)

(米国登録特許)

- (1) Radiological imaging apparatus and radiological imaging method and radiological imaging support method US7759646 (2010.7.20)
- (2) Radiation detector, radiation detector element, and radiation imaging apparatus US7745795 (2010.6.29)