

## 業績目録（令和元年）

教室・部門名 生命基礎数理学

### (C-a) 英文原著

- 1 Kaibori M, Yoshii K, Yokota I, Hasegawa K, Nagashima F, Kubo S, Kon M, Izumi N, Kadoya M, Kudo M, Kumada T, Sakamoto M, Nakashima O, Matsuyama Y, Takayama T, Kokudo N; Liver Cancer Study Group of Japan. Impact of advanced age on survival in patients undergoing resection of hepatocellular carcinoma: report of a Japanese nationwide survey. *Ann Surg*, 269(4): 692-699, 2019. (IF=10.130)
- 2 Kaibori M, Yoshii K, Hasegawa K, Ogawa A, Kubo S, Tateishi R, Izumi N, Kadoya M, Kudo M, Kumada T, Sakamoto M, Nakashima O, Matsuyama Y, Takayama T, Kokudo N. Treatment Optimization for Hepatocellular Carcinoma in Elderly Patients in a Japanese Nationwide Cohort. *Ann. Surg*, 270(1): 121-130, 2019. (IF=10.130)
- 3 Okumura N, Hayashi R, Nakano M, Yoshii K, Tashiro K, Sato T, Blake DJ, Aleff R, Butz M, Highsmith EW, Wieben ED, Fautsch MP, Baratz KH, Komori Y, Nakahara M, Tourtas T, Schlotzer-Schrehardt U, Kruse F, Koizumi N. Effect of Trinucleotide Repeat Expansion on the Expression of TCF4 mRNA in Fuchs' Endothelial Corneal Dystrophy. *Invest Ophthalmol Vis Sci*, 60(2): 779-786, 2019. (IF=3.470) (ゲノム医科学と共同)
- 4 Kaibori M, Matsui K, Yoshii K, Ishizaki M, Iwasaka J, Miyauchi T, Kimura Y. Perioperative exercise capacity in chronic liver injury patients with hepatocellular carcinoma undergoing hepatectomy. *PLoS ONE*, 14(8): e0221079, 2019. (IF=2.740)
- 5 Okumura N, Hayashi R, Nakano M, Tashiro K, Yoshii K, Aleff R, Butz M, Highsmith EW, Wieben ED, Fautsch MP, Baratz KH, Komori Y, Ueda E, Nakahara M, Weller J, Tourtas T, Schlotzer-Schrehardt U, Kruse F, Koizumi N. Association of rs613872 and Trinucleotide Repeat Expansion in the TCF4 Gene of German Patients With Fuchs Endothelial Corneal Dystrophy. *Cornea*, 38(7): 799-805, 2019. (IF=2.215) (ゲノム医科学と共同)

- 6 Abe R, Aoi W, Harada K, Iwasa M, Saruwatari A, Odani K, Yoshii K, Ito C, Ohmi N, Takayama Y, Nishikawa K, Wada S, Higashi A. Lower Birth Weight is Associated with Higher Sprint Performance in Female University Students. *J Phys Fitness Sports Med*, 8(3): 117-125, 2019.
- 7 ○Hishikawa H, Kaibori M, Tsuda T, Matsui K, Okumura T, Ozeki E, Yoshii K. Near-infrared fluorescence imaging and photodynamic therapy with indocyanine green lactosomes has antineoplastic effects for gallbladder cancer. *Oncotarget*, 10(54): 5622-5631, 2019.
- 8 ○Matsushima H, Kaibori M, Hatta M, Ishizaki M, Nakatake R, Okumura T, Yoshii K, Todo T. Efficacy of a third-generation oncolytic herpes simplex virus in neuroendocrine tumor xenograft models. *Oncotarget* 10(67): 7132-7141, 2019.
- 9 Nagasaki I. Elementary abelian  $p$ -groups are the only finite groups with the Borsuk-Ulam property, *J. Fixed Point Theory Appl.* 21: Article 16, 2019. (IF=1.741)
- 10 Nagasaki I. On the zero weight ratios of exceptional compact Lie groups, *Studia Humana et Naturalia* 52: 63--75, 2019.
- 11 Nagasaki, I. Computation of the K-theoretic Euler classes of representations for a non-abelian group of order  $p^3$  and exponent  $p$ , *Studia Humana et Naturalia* 53: 21--28, 2019.
- 12 Nagasaki I. Finite groups not having the Borsuk-Ulam property. *RIMS Kokyuroku* 2135, 84-89, 2019.

(C-b) 和文原著

- 1 吉井健悟, 周藤俊治, 大井達雄, 瀬古千佳子, 東あかね, 渡邊能行, 長崎生光. 病床機能報告を用いた医療提供体制における地域性の検討. *Studia Humana et Naturalia*, 53: 29-35, 2019.

II) シンポジウム、ワークショップ、パネルディスカッション等

- 1 長崎生光. Borsuk-Ulam 性をもたない有限群. RIMS 共同研究 (公開型) 2019 年 5 月 29 日. 京都.
- 2 Nagasaki I.  $G$ -maps between representation spheres and the Borsuk-Ulam property of groups, *Symposium on Transformation*

Groups, 2019. Nov. 1, Osaka.

III) 国際学会における一般発表

- 1 Maruyama Y, Ikeda Y, Mori K, Yoshii K, Ueno M, Yoshikawa H, Sotozono C, Kinoshita S. Safety and efficacy of long-term ripasudil 0.4% instillation for the reduction of intraocular-pressure in Japanese open-angle glaucoma patients. Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Vancouver, Canada, 2019. 4. 28-5. 2. (視覚機能再生外科学と共同)
- 2 Ikeda Y, Mori K, Maruyama Y, Ueno M, Hamuro J, Yoshii K, Sotosono C, Kinoshita S. Ten-year of glaucoma transition rate on the basis of optic nerve morphology in normal Japanese subjects. Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Vancouver, Canada, 2019. 4. 28-5. 2. (視覚機能再生外科学と共同)
- 3 Komori Y, Okumura N, Weller J, Nakano M, Tashiro K, Yoshii K, Aleff R, Butz M, Highsmith EW, Wieben ED, Fautsch MP, Baratz KH, Tourtas T, Schlotzer-Schrehardt U, Kruse F, Koizumi N. Association of trinucleotide repeat expansion length in TCF4 with the severity of Fuchs Endothelial Corneal Dystrophy. The 10th EuCornea Congres, Paris, France, 2019. 9. 13-14. (ゲノム医学と共同)
- 4 Oku H, Terao N, Kojima K, Yamagishi T, Yoshii K, Koizumi H, Sotozono C. Incidence and risk factors of neovascularization in fellow eyes with unilateral age-related macular degeneration. American Academy of Ophthalmology (AAO), San Francisco, 2019. 10. 12-15. (視覚機能再生外科学と共同)
- 5 Ikeda Y, Maruyama Y, Mori K, Ueno M, Yoshii K, Tada K, Kinoshita S, Sotozono C. Intraocular pressure lowering effect and related clinical factors of newly released PG/ $\beta$  fixed combination eye drops. American Academy of Ophthalmology (AAO), San Francisco, 2019. 10. 12-15. (視覚機能再生外科学と共同)
- 6 Tada K, Ikeda Y, Mori K, Maruyama Y, Ueno M, Yoshii K, Kinoshita S, Sotozono C. Efficacy of IOP reduction and safety of newly released PG/ $\beta$  fixed combination eye drops on normal tension

glaucoma. American Academy of Ophthalmology (AAO), San Francisco, 2019. 10. 12-15. (視覚機能再生外科学と共同)

(E) 研究助成 (競争的研究助成金)

総額 152 万円

公的助成

代表 (総額)・小計 110 万円

- 1 文部科学省科学研究費補助金基盤研究 (C) 令和元～3 年度  
病床機能の解析と判別モデル作成による医療機関の役割分担の解明  
助成金額 110 万円

分担・小計 35 万円

- 1 文部科学省科学研究費補助金基盤研究 (B) 平成 29～令和元年度  
国際コンソーシアムにおける原発開放隅角緑内障責任遺伝子の同定  
助成金額 10 万円
- 2 文部科学省科学研究費補助金基盤研究 (C) 平成 29～令和元年度  
広義原発開放隅角緑内障重症化の遺伝的要因の解明 助成金額 15 万円
- 3 文部科学省科学研究費補助金基盤研究 (C) 平成 29～令和元年度  
全ゲノム解析による緑内障点眼薬の眼圧下降作用にかかわるバリエーションの同定 助成金額 10 万円
- 4 日本医療研究開発機構 (AMED) 研究費 令和元～令和 3 年度  
学際的アプローチによる研究倫理教育のモデル評価プログラムの開発  
と検証 助成金額 0 円.

財団等からの助成

分担・小計 7 万円

- 1 京都ヘルスサイエンス総合研究センター共同研究プロジェクト 令和元年度  
大学生の安全確保と健康増進をめざした研究 助成金額 7 万円