

Accepted Manuscript

Innate genetic evolution of lung cancers and spatial heterogeneity: analysis of treatment naïve lesions

Kenichi Suda, MD, PhD, Jihye Kim, PhD, Isao Murakami, MD, PhD, Leslie Rozeboom, MS, Masaki Shimoji, MD, PhD, Shigeki Shimizu, MD, PhD, Christopher J. Rivard, PhD, Tetsuya Mitsudomi, MD, PhD, Aik-Choon Tan, PhD, Fred R. Hirsch, MD, PhD

PII: S1556-0864(18)30692-0

DOI: [10.1016/j.jtho.2018.05.039](https://doi.org/10.1016/j.jtho.2018.05.039)

Reference: JTHO 1013

To appear in: *Journal of Thoracic Oncology*

Received Date: 14 February 2018

Revised Date: 12 May 2018

Accepted Date: 22 May 2018

Please cite this article as: Suda K, Kim J, Murakami I, Rozeboom L, Shimoji M, Shimizu S, Rivard CJ, Mitsudomi T, Tan A-C, Hirsch FR, Innate genetic evolution of lung cancers and spatial heterogeneity: analysis of treatment naïve lesions, *Journal of Thoracic Oncology* (2018), doi: 10.1016/j.jtho.2018.05.039.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Innate genetic evolution of lung cancers and spatial heterogeneity: analysis of treatment naïve lesions

Kenichi Suda, MD, PhD^{1,2#}, Jihye Kim, PhD^{1#}, Isao Murakami, MD, PhD³, Leslie Rozeboom, MS¹, Masaki Shimoji, MD, PhD², Shigeki Shimizu, MD, PhD⁴, Christopher J. Rivard, PhD¹, Tetsuya Mitsudomi MD, PhD², Aik-Choon Tan, PhD^{1*}, and Fred R. Hirsch, MD, PhD¹

¹Division of Medical Oncology, University of Colorado Anschutz Medical Campus, Aurora, Colorado, USA; ²Division of Thoracic Surgery, Department of Surgery and ⁴Department of Pathology, Kindai University Faculty of Medicine, Osaka-Sayama, JAPAN; ³Department of Respiratory Medicine, Higashi-Hiroshima Medical Center, Higashi-Hiroshima, Japan.

#: K. Suda and J. Kim contributed equally to this work.

***Correspondence and address reprint requests to:**

Aik-Choon Tan, PhD

Associate Professor of Bioinformatics,

Division of Medical Oncology, Department of Medicine,

University of Colorado Anschutz Medical Campus

Phone: (303) 724 – 2520 Fax: (303) 724 – 3889

E-mail: aikchoon.tan@ucdenver.edu

Download English Version:

<https://daneshyari.com/en/article/10220510>

Download Persian Version:

<https://daneshyari.com/article/10220510>

[Daneshyari.com](https://daneshyari.com)