

【ポスター発表】

1. Atsuko Niimi☆, Siripan Limsirichaikul, Takashi Nakano and **Atsushi Shibata***.

Analysis of DNA synthesis during homologous recombination in G2 cells after ionizing irradiation.

The 10th 3R Symposium, Matsue, Nov 2016.

*Corresponding author ☆presentator

2. Mayu Isono☆, Atsuko Niimi, Takahiro Oike, Yoshihiko Hagiwara, Hiro Sato, Ryota Sekine, Yukari Yoshida, Shin-Ya Isobe, Chikashi Obuse, Ryotaro Nishi, Elena Petricci, Shinichiro Nakada, Takashi Nakano, **Atsushi Shibata***.

BRCA1 directs the repair pathway to homologous recombination by promoting 53BP1 dephosphorylation.

The 10th 3R Symposium, Matsue, Nov 2016.

*Corresponding author ☆presentator

3. **Yoshihiko Hagiwara**☆, Atsuko Niimi, Mayu Isono, Takahiro Oike, Hiro Sato, Takashi Nakano and **Atsushi Shibata***

The effect of Linear Energy Transfer in DNA double strand break repair pathway choice in G2 cells.

The 10th 3R Symposium, Matsue, Nov 2016.

*Corresponding author ☆presentator

4. Mayu Isono, Atsuko Niimi, Takahiro Oike, Yoshihiko Hagiwara, Hiro Sato, Ryota Sekine, Yukari Yoshida, Ryotaro Nishi, Elena Petricci, Shinichiro Nakada, Takashi Nakano and **Atsushi Shibata*☆**.

BRCA1 directs the repair pathway to homologous recombination by promoting 53BP1 dephosphorylation.

Abcam Conference “Mechanisms of Recombination”, Alicante, Spain, May 2016.

*Corresponding author ☆presentator

5. Atsuko Niimi☆, Nakajima Izumi Nakako, Motohiro Yamauchi, Siripan Limsirichaikul, Takahiro Oike, Hiro Sato, Penny A. Jeggo, Kathryn D. Held, Takashi Nakano and **Atsushi Shibata***.

Analysis of cluster DNA double strand break after heavy ion irradiation using high-resolution microscopy,

The 14th International Workshop on Radiation Damage to DNA, Melbourne, Australia, March 2016.

*Corresponding author ☆presentator

6. Yoshihiko Hagiwara, Mayu Isono, Atsuko Niimi, Takahiro Oike, Yukari Yoshida, Takashi Nakano, **Atsushi Shibata***★.

District regulation of DNA double strand break resection after heavy ion irradiation.

The 2015 IMB conference, DNA Repair & Genome Stability in a Chromatin Environment, Mainz, Germany, Jun 2015.

*Corresponding author ★presentator

7. Atsushi Shibata★, Davide Moiani, Elena Petricci, John Tainer and Penny Jeggo.

Initiation of homologous recombination repair by MRE11 nuclease activities.

Keystone Symposia, Genomic Instability and DNA Repair, British Columbia, Canada, Mar 2015.

★presentator

8. Atsushi Shibata★, Davide Moiani, Elena Petricci, John Tainer and Penny Jeggo,.

Initiation of homologous recombination repair by MRE11 nuclease activities.

Mechanisms of Recombination:50th Anniversary Meeting of the Holliday Model, Alicante, Spain, May 2014.

★presentator

9. Atsushi Shibata★, Sandro Conrad, Julie Birraux, Verena Geuting, Olivia Barton, Amani Ismail, Andreas Kakarougkas, Katheryn Meek, Gisela Taucher-Scholz, Markus Löbrich and Penny A Jeggo.

Factors determining DNA double-strand break repair pathway choice in G2 phase.

Responses to DNA damage: from molecular mechanism to human disease. The Netherlands, April, 2011.

★presentator

10. Atsushi Shibata★, Sandro Conrad, Julie Birraux, Verena Geuting, Olivia Barton, Amani Ismail, Andreas Kakarougkas, Katheryn Meek, Gisela Taucher-Scholz, Markus Löbrich and Penny A Jeggo.

Factors determining DNA double-strand break repair pathway choice in G2 phase. Keystone symposia.

Genomic instability and DNA repair, Colorado, USA, Jan 2011.

★presentator

11. Claire M. Connell#, **Atsushi Shibata**#, Laura A. Tookman, Kyra Archibald, Magdalena B. Flak, Katrina J. Pirlo, Michelle Lockley, Sally P. Wheatley, Iain A. McNeish.

Genomic DNA damage and ATR-Chk1 signalling determine oncolytic adenoviral efficacy in human ovarian cancer.

The AACR 101st Annual Meeting 2010, Washington DC.

#These authors contributed equally to this work.

12. Atsushi Shibata★, Olivia Barton, Angela T. Noon, Kirsten Dahm, Dorothee Deckbar, Aaron A. Goodarzi, Markus Löbrich and Penny A. Jeggo.

The role of ATM and the damage response mediator proteins, 53BP1 and MDC1, in the maintenance of G2/M checkpoint arrest.

DNA Damage Response and Repair Mechanisms, Crete, Greece, April 2009.

★presentator

13. Atsushi Shibata★, Nicole Rief, Angela T. Noon, Kirsten Dahm, Dorothee Deckbar, Aaron A. Goodarzi, Markus Löbrich and Penny A. Jeggo.

The role of mediator proteins in the ATM-dependent signalling and the maintenance of G2/M checkpoint arrest.

Ataxia-Telangiectasia Workshop, Ohtsu, Japan, 2008.

★presentator

14. Atsushi Shibata★, Nicole Rief, Kirsten Dahm, Angela T. Noon, Aaron A. Goodarzi, Markus Löbrich and Penny A. Jeggo.

Function of mediator proteins in ATM-dependent NHEJ and the interplay with checkpoint signaling.

Gordon Research Conference, Genetic Toxicology, Oxford, UK, July-Aug 2007.

★presentator

15. Atsushi Shibata★, Takehiko Nohmi, Hirobumi Teraoka, Hitoshi Nakagama, Takashi Sugimura, Hiroshi Suzuki, Mitsuko Masutani.

Increased mutations in Parp-1 knockout mice after treatment with an alkylating agent and with aging.

9th International Conference on Environmental Mutagens, San Francisco, September 2005.

★presentator

16. Atsushi Shibata★, Hirobumi Teraoka, Hitoshi Nakagama, Takashi Sugimura, Hiroshi Suzuki and Mitsuko Masutani.

Increase of deletion mutations and DNA strand breaks under Parp-1 deficiency after treatment with an alkylating agent.

Keystone Symposia, Genome Instability and Repair, Taos, New Mexico, March 2005.

★presentator

17. Atsushi Shibata★, Nobuo Kamada, Ken-ichi Masumura, Takehiko Nohmi, Shizuko Kobayashi, Hirobumi Teraoka, Hitoshi Nakagama, Takashi Sugimura, Hiroshi Suzuki, and Mitsuko Masutani.

Involvement of Parp-1 in the suppression of deletion mutation accompanying insertion/rearrangement after treatment with an alkylating agent in vivo.

The 4th international symposium on DNA replication, recombination and repair, Awaji, Japan, Nov 2004.

★presentator