

Hotta Special Issue Photogallery



Panel 1. The early days. **1**, Yoshiki Hotta (YH). **2**, Yoshiki Hotta's thesis advisor Prof. Setsuro Ebashi (*left*) and his wife Dr. Fumiko Ebashi, photographed by YH. **3**, YH as a graduate student in the School of Medicine, The University of Tokyo (late 1960s). **4**, Seymour Benzer's lab (1971). *Left to right, standing*: Tom Hanson, D. Eddington, YH, J. Lewis, Paul Christensen, Chip Quinn; *seated*: Obaid Siddiqi, two technicians Y.-H. Jing and J.-Y. Yu, Mike Deniro, Ron Konopka, Doug Kankel, lab manager Evelyn Eichenberger. **5**, Seymour Benzer (*left*) and YH (1972). **6**, Principle of genetic mosaics demonstrated by "origami." **7**, Example of gynandromorphs (male/female mosaics). **8**, Seymour Benzer (*left*) and YH, upon Benzer's reception of the International Prize for Biology (2000). **9**, Caltech Symposium (1991). *Left to right*: Ed Lewis, Lily Jan, Norman Horowitz, Rita Levi-Montalcini, YH, Yadin Dudai, Sydney Brenner, Francis Crick, Carol Miller, John Ableson, Seymour Benzer, Yuh-Nung Jan, Larry Zipursky, Robert Sinsheimer.



Panel 2. Yoshiki and the scientific community. **1**, Nature Symposium (1986). *Left to right*: YH, Walter Gehring, Tokindo S. Okada. **2**, *Left to right*: Akihiko Nose, Masatoshi Takeichi, YH (1990). **3**, David Hogness (left), YH (2007). **4**, International Biophysics Congress (1978). *Left to right*: Fumio Osawa, Koichi Houtani, Akiyoshi Wada, Yash Hiromi, YH. **5**, *Left to right*: Shigeo Hayashi, YH, Howard Lipshitz, Kiyotaka Okada, Fuyuki Ishikawa (2007). **6**, At the annual meeting of the Genetic Society of Japan (2001). Mihoko Takahashi (*left*), YH. **7**, Yuh-Nung Jan (*left*), Lily Jan (1991). **8**, Bill Harris (2012). **9**, Masukichi Okada (*left*), Yuzo Niki (1977). YH and Okada wrote a textbook and promoted the developmental genetics of *Drosophila* in Japan.



Panel 3. The Hotta lab + collaborators. **1,** Left to right: Shinobu Fujita, Giro Hirose, Jean Marc Jallon (1977). **2,** Ichiro Masai (1998). **3,** Hiroko Inoue (left), Emiko Suzuki, together with Toru Yoshioka (photograph in 9), collaborated in lipid metabolism in phototransduction (1989). **4,** Yasuo Shirakihara (left), Ebashi lab, Kaname Mogami (1977). **5,** Akira Chiba. **6,** Shin-ichi Higashijima. **7,** Toshihiko Hosoya. **8,** Takeshi Izawa (left), Hitoshi Okamoto (1988). **9,** Toru Yoshioka. **10,** Kuniyoshi Sakai (2005). **11,** Masaki Hiramoto (2006). **12,** Left to right: Yasuko Akiyama-Oda, Chieko Higashi-Takizawa, Junqi Wang (1998). **13,** Motojiro Yoshihara (1998). **14,** Yoko Mizuguchi, Makiko Shinza, Ayako Kohyama (1998). **15,** Kazuhiro Ikenaka, YH's collaborator in the function of *gcm* in mouse development (2011). **16,** Left to right: Keiko Nakao, Satoshi Goto, Kei Ito (2010).



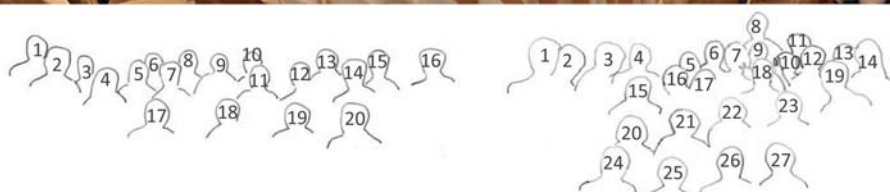
Panel 4. Yoshiki at The University of Tokyo. **1**, Biophysics group at The University of Tokyo (ca. 1983). *Left to right, standing:* Kaori Ito, Mikio Ogushi, Shigeru Endo, Reiko Abe, Takeshi Sakamoto, Akira Suyama, Hitoshi Okamoto, Mineko Akama, Akihiro Tomioka, Chiharu Ishizuka, Shun-ichi Kidokoro, YH; *seated:* Makio Tokunaga, Kaoru Sasaki. **2**, Keiko Hotta, demonstrating her influence on the Hotta lab members. Hisao Kobayashi (*right*). **3**, Duet of Keiko and Yoshiki Hotta. **4**, The “Fly Kitchen” (1988). *Left to right:* Keiko Hotta, Etsuko Takasu-Ishikawa, Hitoshi Okamoto, YH, Satoshi Goto, Akira Suzuki. **5**, Biophysics excursion (mid 1970s). *Left to right:* Kuniaki Nagayama, Osamu Gotoh, Takeyuki Wakabayashi, Akeo Sakanishi, YH. **6**, At the Hotta residence (1988). *Left to right:* YH, Chun-Fang Wu, Kuniyoshi Sakai, Akira Komatsu, Yoshiaki Kidokoro, Keiko Hotta. **7**, Lab dinner (ca. 1982). *Left to right, standing:* Toshiki Watanabe, Toshifumi Mikayama; *seated:* Yoshiharu Tanaka, Mineko Akama, Setsuro Ebashi, YH, Giro Hirose, Takuma Yamada, Zhencheng Keng, Yash Hiromi, Hiroko Hata-Hiromi. **8**, YH overlooking the world upon a lab excursion.



Panel 5. NIG, ROIS, and beyond. **1**, YH at his last lecture at the University of Tokyo (1998). The slide says, “Cell Fate and My Fate, Yoshiki Hotta/Lord of the Fly.” **2**, Cell fate transformations caused by the loss of function and the gain of function of the *gcm* (*glial cell missing*) gene. **3**, YH showing his name plate after his retirement from The University of Tokyo (1998). **4**, YH and his pet robot dog AIBO (ca. 2007). **5**, YH hosting a seminar by Jose Campos-Ortega (2002). **6**, Fumio Matsuzaki (2011). **7**, YH stimulating the exchange of ideas at the “Crosstalk of Young Researchers” (2008). This event was organized by the Transdisciplinary Research Integration Center of ROIS (Research Organization of Information and Systems), where he was the president. **8**, Tadashi Uemura (2007). Tadashi and Fumio Matsuzaki (photograph in **6**) are among the young researchers who were inspired by YH and went into the field of *Drosophila* neurogenetics. **9**, YH in front of a poster of his favorite singer Sayuri Ishikawa (2010). **10**, YH explaining the 4th revolution of biology (2011).



Panel 6. Yoshiki communicating science. **1**, YH at the 60th anniversary of the National Institute of Genetics (NIG) (2009). **2**, Poster for the summer undergraduate internship program of NIG. Letters beside YH's caricature say, "I want to see, I want to talk, I want to hear." **3**, YH's caricature for Internet museum of NIG, with the modern version of the NIG logo. **4**, YH explaining to high school students at NIG open house. The signboard says, "Professor Hotta: a director that did not look like a director" (2004). **5**, Cake cutting at tea party (2003). *Inset*: Details of the cake. Labeled plate says "50th anniversary of Watson & Crick, commemoration for human genome sequencing." **6**, YH showing zebrafish to Emperor Akihito and Empress Michiko (1999). **7**, YH at a "Science Café" (2005).



Panel 7. Top: 1st Asia-Pacific Drosophila Research Conference (2011). 1: Michael Murray; 2: Jongkyeong Chung; 3: Edwin Chan; 4: Toshie Kai; 5: Kwang-Wook Choi; 6: Hirotaka Kanuka; 7: Henry Y. Sun; 8: Xun Huan; 9: LS Shashidhara; 10: Yash Hiromi; 11: Chau-Ti Ting; 12: Shigeo Hayashi; 13: Cheng-Ting Chien; 14: Young Q. Zhang; 15: Masayuki Miura; 16: Fumio Matsuzaki; 17: Norbert Perrimon; 18: Yuh-Nung Jan; 19: YH; 20: Masatoshi Yamamoto. **Bottom:** Hotta Lab reunion (1995). 1: Toshifumi Mikayama; 2: Kotaro Baba; 3: Shinichiro Kojima; 4: Kazunaga Takizawa; 5: Yasuko Akiyama-Oda; 6: Toshihiko Hosoya; 7: Motojiro Yoshihara; 8: Masaki Hiramoto; 9: Anthony M. Poole; 10: Keita Koizumi; 11: Takeshi Sasamura; 12: Kazuyoshi Isoda; 13: Yutaka Sakai; 14: Kei Ito; 15: Atsushi Ueda; 16: Masashi Kameyama; 17: Ayako Kohyama; 18: Shinobu Fujita; 19: Tomoki Kobayashi; 20: Yoriko Fujioka; 21: YH; 22: Keiko Hotta; 23: Etsuko Ishikawa-Takasu; 24: Masako Seki; 25: Kaname Mogami; 26: Takao Koana; 27: Mineko Akama.

ACKNOWLEDGEMENTS

The following people and organizations are acknowledged for providing materials used in this gallery: Shinobu Fujita, Satoshi Goto, Bill Harris, Shin-ichi Higashijima, Toshihiko Hosoya, Yoshiki Hotta, Kazuhiro

Ikenaka, Hiroko Inoue, Kei Ito, Yuh-Nung Jan, Kaname Mogami, Akinao Nose, Hitoshi Okamoto, Kuniyoshi Sakai, Henry Sun, Emiko Suzuki, Toshiyuki Takano, Ryu Ueda, Tadashi Uemura, Chun-Fang Wu, National Institute of Genetics, Research Organization of Information and Systems.