



Ryoji Noyori's "Chemistree" (July 30, 2024)

The Noyori School at Nagoya (partial)

RN's mentors and major junior collaborators, students, and postdoctoral associates.

Bottom three lines summarize his academic background.

Bottom:	G. Kita	J. Meinwald	J. C. Sheehan
Second from the bottom:	K. Sisido	H. Nozaki	E. J. Corey
Third from the bottom:	Y. Hirata	R. Noyori	H. Yamamoto

Y. Hirata is unrelated to RN in terms of professional status, but is permanently his spiritual pillar. His name is to be presented here.

Japan's university system is different from those in Europe and America. The junior faculty members and students/postdocs are to be separated.

Thus, on the second and third curved floors, RN's junior faculty collaborators are presented (11 in total).

Second floor: H. Takaya, Y. Hayakawa, M. Suzuki, M. Nishizawa, S. Hashimoto, M. Kitamura

Third floor: K. Sato, T. Ikariya, T. Ohkuma, S. Saito, K. Itami

Then major students/postdocs who later rose to the rank of full professor are listed on the flat fourth to sixth floors (22 in total).

Fourth floor: M. Yamakawa, T. Sato, S. Murata, M. Widhalm, A. Yanagisawa, Y. Morita, W. Lubell

Fifth floor: S. Suga, M. Hayashi, M. Tokunaga, J-X. Gao, J. Xiao, P. G. Jessop, S. Iwasa

Sixth floor: T. Kumamoto, H. Doucet, M. Yoshimura, G. Hilt, H. Doi, K. Muniz, Y. Lu, P. Jaisankar

The Kita School of Kyoto University (partial)

This scheme is important.

Ryoji Noyori is a descendant of the huge Gen-itsu Kita School of Engineering at Kyoto University, which is dedicated to basic chemistry and its industrial development. He admired Ichiro Sakurada, a disciple of Kita and inventor of Vinyon, but later studied under Sisido and Nozaki to become an organic chemist. Ken-ichi Fukui (1981 Nobel laureate), a member of this school, is a theoretical chemist, but Noyori received a variety of personal guidance from him. Hisashi Yamamoto was mentored by Nozaki and E. J. Corey and is therefore Noyori's younger brother.

Kita, Gen-itsu (1883–1952)

Kodama, Shinjiro (1906–1996)

Sisido, Keiiti (1908–1995)

Fukui, Kenichi (1918–1998)

Nozaki, Hitoshi (1922–2019)

Hirata, Yoshimasa (1915–2000)

Yamamoto, Hisashi (1943–)

Mentors:

Kita, Gen-itsu (1883–1952)

Sisido, Keiiti (1908–1995)

Nozaki, Hitosi (1922–2019)

Corey, Elias J. (1928–)

Related colleagues:

Hirata, Yoshimasa (1915–2000)

Yamamoto, Hisashi (1943–)

Related to Kita:

Kodama, Shinjiro (1906–1996)

Fukui, Kenichi (1918–1998)

Sakurada, Ichiro (1904–1986)

Highlighted in **yellow** are those in the chemistree

Collaborators at Nagoya University [mentors] (subsequent affiliations) in order of joining the group:

Takaya, Hidemasa [H. Nozaki, J. P. Collman] (Inst Molecular Sci, Kyoto U) (1940–1995)

Kato, Masao [H. Nozaki] (Asahi Glass Co.) (1943–2023)

Hayakawa, Yoshihiro [Y. Hirata, E. J. Corey] (Nagoya U) (1945–)

Suzuki, Masaaki [Y. Hirata, R. B. Woodward] (Gifu U) (1947–)

Aso, Yoshio [I. Murata] (Hiroshima U) (1953–)

Shida, Toshio [M. Ikehara] (Shinshu U)

Nishizawa, Mugio [T. Sakan, P. Grieco] (Tokushima Bunri U) (1945–2010)

Hashimoto, Shunichi [K. Koga, E. J. Corey] (Hokkaido U) (1949–)

Wakabayashi, Shigeharu [I. Murata] (Suzuka U Med Sci) (1959–)

Kitamura, Masato [T. Goto, G. Stork] (Nagoya U) (1956–)

Goto, Michio (Toyama Nat Coll Tech)

Sato, Kazuhiko [H. Sakurai] (AIST) (1963–)

Ohkuma, Takeshi [G. Tsuchihashi, K. Suzuki, P. A. Wender] (Hokkaido U) (1962–)

Suzuki, Takeyuki [M. Shibasaki] (Osaka U) (1966–)

Kataoka, Masanori [Y. Hayakawa] (Kobe U, NATiAS Inc) (1970–)

Takeda, Akira [Y. Yamamoto, T. Hayashi] (Fuji Film Co.) (1972–)

Saito, Susumu [H. Yamamoto, E. N. Jacobsen] (Nagoya U) (1969–)

Itami, Kenichiro [Y. Ito, J.-E. Bäckvall] (Nagoya U, RIKEN) (1971–)

Naka, Hiroshi [M. Uchiyama] (Kyoto U) (1980–)

Jung, Jieun [S. Fukuzumi] (1986–)

Noto, Naoki [M. Akita] (1992–)

Mori, Shogo [S. Saito] (1994–)

Postdoctoral associates [mentors] (subsequent academic affiliations) in order of joining the group:

Weintz, Hans-Joachim [P. Binger] (Max-Planck Institute) (1957–)

Widhalm, Michael [K. Schlögl] (U Vienna) (1954–)

Lubell, William [H. Rappaport] (U Montreal) (1962–)

Kumamoto, Takuya [E. Kimura] (Hiroshima U) (1968–)

Doucet, Henri (U Rennes I) (1967–)

Hems, William P. [A. B. Holmes] (University Cambridge) (1972–)

Hilt, Gerhard [M. F. Semmelhack] (U Marburg) (1968–)

Muniz, Kilian [C. Bolm] (Inst of Chem Res of Catalonia) (1970–2020)

Sandoval, Christian A. [G. B. Deacon] [B. M. Gatehavse] (U Monash) (Shanghai Inst Org Chem) (1968–)

Lu, Yixin [G. Just] (Nanyang Tech U) (1970–)

Jaisankar, Parasuraman (CSIR–Indian Inst Chem Biology) (1965–)

Students who graduated with a doctorate degree (later academic affiliations) in order of joining the group:

Yamakawa, Masashi (Kinjo-gakuin U) (1950–)

Sato, Tsuneo (Okayama U Sci) (1952–)

Murata, Shizuaki (Nagoya U) (1953–)

Yanagisawa, Akira (Chiba U) (1961–)

Hayashi, Masahiko (Kobe U) (1960–)

Morita, Yasushi (Aichi Inst Tech) (1960–)

Suga, Seiji (Okayama U) (1963–)

Tokunaga, Makoto (Kyushu U) (1966–)

Tsukamoto, Masaki (Nagoya U) (1970–)

Nakano, Keiji (Kochi U) (1971–)

Doi, Hisashi (RIKEN, Osaka Metropolitan U) (1971–)

Yoshimura, Masahiro (Nagoya U, Aichi Gakuin U) (1973–)

Tanaka, Shinji (Nagoya U, AIST) (1977–)

Hyodo, Mamoru (Osaka Metropolitan U)

ERATO project researchers [mentors or former affiliations] (subsequent affiliations)

in order of joining the project:

Ikariya, Takao [A. Yamamoto, R. H. Grubbs] (Tokyo Tech) (1948–2017)

Hashiguchi, Shohei [Takeda]

Miyatake, Tatsuya [Sumitomo Chemical]

Inoue, Shinichi [Aichi Inst Tech]

Nobori, Tadahito [Mitsui Chemical]

Gao, Jing-Xing (Xiamen U)

Xiao, Jianliang (U Liverpool)

Jessop, Philip G. (Queen's U)

Iwasa, Seiji (Toyohashi U Tech)

Murata, Kunihiko [Kanto Chemical]

Haack, Karl-Josef (Hoechst AG)

Matsumura, Kazuhiko (Takasago)