

RYN MIAKE - LYE , P H D

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SUMMARY

Biomedical professional with over 15 years of success translating science vision into reality. Track record of launching and rapidly growing life sciences excellence in industry and academia. Strengths include:

- *Integrating* innovative science with results-oriented management
- *Aligning* and prioritizing complex operations using science-driven criteria
- *Understanding of the science in multiple disciplines* to help foster innovation at interfaces

SELECTED ACCOMPLISHMENTS (2002 – PRESENT)

Owner of ScienceDriven, an independent practice. Project objectives include:

- Leverage leadership of MGH Cancer Center Chief by cultivating alliances and helping to build continuum from fundamental research to clinical service
- Facilitate organizational development for Partners Research Ventures & Licensing
- Integrate launch of Systems-based Consortium for Organ Design and Engineering (SysCODE)
- Serve as interim administration for nascent institute for biologically inspired engineering
- Elicit vision, mission, and plan for institute honoring founder's legacy
- Build set of novel models for academic healthcare-pharmaceutical industry interactions
- In 8 months, staffed a faculty task force that collected 70 "blue sky" ideas and distilled into 17 team-written white papers that envision future collaborative science and technology at new campus.
- Led assessment/offsite for pharmaceutical site members to optimize their fully matrixed organization
- Authored programmatic annual Report to the Dean of multidisciplinary user facility

EMPLOYMENT EXPERIENCE

MILLENNIUM PHARMACEUTICALS, INC., Cambridge, MA 1998 - 2002
Chief of Staff to Interim Head of Development (2001-2002)

- Managed Development Infrastructure Initiatives from concept to launch
- Staffed charter Development Leadership Team, comprising VPs of Clinical, Regulatory, Process Development, QA/QC, Preclinical, and Project Management

Director, R&D Operations (2000-2002)

- Designed and implemented monthly performance dashboard, Pipeline Report, for senior management
- Identified and tracked metrics meaningful for research, consistent company-wide, yet compatible with rapid change.

Program Director, Oncology (1998-2000)

- Managed concurrent alliances in oncology with Lilly and Bayer. All deliverables on budget, on time, on target: 7 novel candidate genes, 4 validated targets to Lilly; >50 qualified targets to Bayer.
- Allocated resources, created program budget, and built relationships with collaborators and consultants, technology in-licensing, core research facilities, finance and legal departments.

HARVARD MEDICAL SCHOOL, DEPARTMENT OF CELL BIOLOGY, Boston, MA 1993 - 1998
Director, Research & Administration

- For new department with 30 laboratories and 250 members, responsible for all phases of operational management, including recruitment and on-boarding of 7 new faculty, 60,000 sf space planning/renovation, and building an administrative team of 13.

HARVARD MEDICAL SCHOOL, DEPARTMENT OF CELL BIOLOGY (CON'T)

- Took the lead on forward-looking financial management, resulting in 50% increase in grant volume and allocation of \$3.5MM/year for new, sustainable research infrastructure.

CELL JOURNAL, Cambridge, MA

1989 - 1993

Reviews Editor

- Evaluated high-visibility research articles across many fields; identified emerging trends, novel concepts networking with investigators; shared decision-making about journal content with Editor and Assistant Editor.
- Delivered for each bi-weekly issue at least 2 mini-reviews spanning a wide range of new ideas.

EDUCATION

CALIFORNIA INSTITUTE OF TECHNOLOGY (CALTECH)

1984 – 1989

*Postdoctoral Fellow “Functional Studies on G α Subunits” (Melvin Simon, advisor)***UNIVERSITY OF CALIFORNIA, SAN FRANCISCO (UCSF)**

1978 - 1984

*PhD in Biochemistry “Induction of Early Mitotic Events” (Marc Kirschner, advisor)***CALIFORNIA INSTITUTE OF TECHNOLOGY (CALTECH)**

1973 - 1977

BSc in Biology, with Honors

AWARDS

Thomas J. Watson Foundation, *Fellow* (1977-1978); *Selection Committee Member* (2000-2001)American Cancer Society, *California Division Senior Fellowship* (1986-1988), *Fellowship* (1985-1986)University of California, *Regent’s Fellowship* (1978-1979)

PUBLICATIONS

Alberts, B., and **Miake-Lye, R.** (1992). Unscrambling the puzzle of biological machines: the importance of the details. *Cell* **68**:415-420.Kumagai, A., Pupillo, M., Gundersen, G. R., **Miake-Lye, R.**, Simon, M.I., Devreotes, P. N., and Firtel, R. A. (1989). Regulation and function of G α protein subunits in Dictyostelium. *Cell* **57**:265-275.Fong, H. K. W., Hurley, J. B., Hopkins, R. S., **Miake-Lye, R.**, Johnson, M. S., Doolittle, R. L. F., and Simon, M. I. (1986). Repetitive segmental structure of the transducin β subunit: Homology with the CDC4 gene and identification of related mRNAs. *Proc. Nat’l Acad. Sci.* **83**:2162-2166.**Miake-Lye, R.**, and Kirschner, M. W. (1985). Induction of early mitotic events in a cell-free system. *Cell* **41**:165-175.**Miake-Lye, R.**, Newport, J. W., and Kirschner, M. W. (1983). Maturation-promoting factor induces nuclear envelope breakdown in cycloheximide-arrested embryos of *Xenopus laevis*. *Journal of Cell Biology* **97**:81-91.