

# AUTHOR INDEX

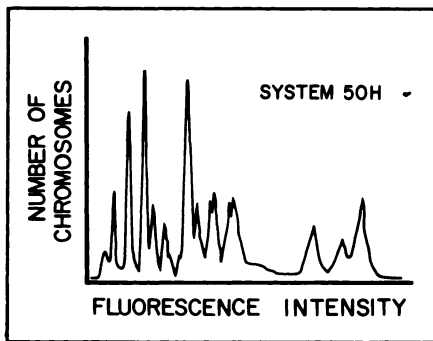
August 1981

- Appella, E., 3186  
 Ashley, R. L., 3024
- Barras, C., 3233  
 Bartsch, H., 3205  
 Baud, M., 3233  
 Blanc, A., 3222  
 Bloch, A., 3144  
 Bobek, M., 3144  
 Brandt, A. E., 3077, 3082  
 Briscoe, W. T., 3030  
 Buck, R. C., 3046  
 Bustin, M., 3111  
 Buzard, R. L., 3155
- Cailla, H. L., 3222  
 Carcassonne, Y., 3222  
 Cardiff, R. D., 3024  
 Chapman, V., 3137  
 Chattopadhyay, S. K., 3165  
 Cheng, Y-C., 3144  
 Cifone, M. A., 3018  
 Clark, G., 3118  
 Clawson, G. A., 3122  
 Cohen, S. M., 3100  
 Coltman, C. A., Jr., 3118  
 Courvoisier, B., 3233  
 Cox, G. S., 3087  
 Cudak, C., 3071
- Davis, B. H., 3107  
 Day, R. S., III, 3111  
 Del Giacco, E., 3165  
 Derse, D., 3144  
 Do, H. M. T., 3150  
 Dutschman, G., 3144
- Fanning, T. G., 3024  
 Faulkin, L. J., 3024  
 Ferro, A. J., 3035  
 Fichelson, S., 3260  
 Fidler, I. J., 3058, 3266  
 Fisher, M. S., 3018  
 Fisher, R. I., 3186  
 Friedell, G. H., 3100  
 Fukushima, S., 3100
- Garland, H., 3071  
 Gastaut, J.-A., 3222  
 Gillette, E. L., 3005  
 Giltinan, R. K., 3005  
 Gimlin, D., 3030  
 Gisselbrecht, S., 3260  
 Gray, T., 3165  
 Grigor, M. R., 3228  
 Gupta, P. K., 3133
- Haag, M. M., 2995  
 Handschumacher, R. E., 3010  
 Hart, I. R., 3266  
 Heard, J. M., 3260  
 Heidelberger, C., 3095
- Hochberg, R. B., 3150  
 Hollinshead, A. C., 3000  
 Honma, Y., 3211  
 Horn, D., 3155  
 Hozumi, M., 3211  
 Huseby, R. A., 3172  
 Hyatt, B., 3071
- Ishida, N., 3244
- Jacobs, J. B., 3100  
 Jacobs, R. M., 3000  
 Jakobs, E. S., 3200  
 Jameson, A. K., 3077, 3082  
 Jay, G., 3161  
 Johnson, T. S., 3005  
 Jung, A., 3233
- Kakefuda, T., 3111  
 Kasukabe, T., 3211  
 Khudoley, V., 3205  
 Klein, A. S., 3217  
 Koch, M. R., 3065  
 Koons, J. E., 3228  
 Kubota, K., 3052  
 Kuhn, J., 3118
- Landolph, J. R., 3095  
 Lea, M. A., 3065  
 Leavitt, S., 3071  
 Lippman, M. E., 3150  
 Lynch, T. P., 3200
- MacDonald, M. R., 3035  
 Magrath, I. T., 3161, 3165  
 Malaveille, C., 3205  
 Matsuda, Y., 3244  
 Matsui, S.-i., 3137  
 McCartney, M. D., 3046  
 Mercer, L. P., 3030  
 Mermillod, B., 3233  
 Minowada, J., 3052  
 Mishkin, S., 3040  
 Mishkin, S. Y., 3040  
 Mizusawa, H., 3111  
 Moody, D. E., 3122  
 Montgomery, L., 3071  
 Morris, D. W., 3024  
 Morris, H. P., 3040  
 Moyer, J. D., 3010  
 Myers, J. W., 3118
- Neely, J. E., 2995  
 Neihart, N., 3111  
 Nesnow, S., 3071  
 Niwa, O., 3253  
 Nomura, H., 3211
- Oliver, J. T., 3010
- Paran, J. H., 3200  
 Paterson, A. P. R., 3200
- Pegg, A. E., 3128  
 Perry, W., 3128  
 Peterson, A. R., 3095  
 Peterson, H., 3095  
 Pincus, J. H., 3077, 3082  
 Pizzo, P. A., 3161, 3165  
 Pollack, R., 3040  
 Pocelinko, R., 3118  
 Preisler, H. D., 3052
- Raju, M. R., 3005  
 Ramanathan, L., 3186  
 Ramlet, J., 3030  
 Remsen, J. F., 3179  
 Rogers, T. J., 3035
- Sagawa, K., 3052  
 Sandbach, J. F., 3118  
 Sandberg, A. A., 3137  
 Sato, J., 3192  
 Scavennec, J., 3222  
 Schroeder, A., 3144  
 Sherrick, D., 3165  
 Shibata, Y., 3244  
 Shireman, R. B., 3179  
 Shoham, J., 3217  
 Simpkins, H., 3107  
 Sirover, M. A., 3133  
 Slor, H., 3111  
 Smuckler, E. A., 3122  
 Soukup, S. W., 2995  
 Spears, C. P., 3095  
 Stanners, C. P., 3104  
 Stanton, A., 3107  
 Stewart, B. W., 3238  
 Sugahara, T., 3253
- Tamura, K., 3244  
 Tan, E. T. H., 3228  
 Tan, R. S., 3144  
 Tanaka, K.-i., 3137  
 Thompson, M. P., 3228  
 Tsuruo, T., 3058  
 Tsushima, S., 3211
- Valli, V. E. O., 3000  
 van Eys, J., 3192  
 Vanhaelen, C. P. J., 3186  
 Varet, B., 3260  
 Vaughan, T. O., 3071  
 Von Hoff, D. D., 3118
- Waye, M. M. Y., 3104  
 Wake, N., 3137  
 Wang, Y.-M., 3192  
 Wattenberg, L. W., 2991  
 Wilkie, B. N., 3000  
 Wolford, R. W., 3035  
 Woo, C. H., 3122
- Yalovsky, M. A., 3040  
 Zehfus, B., 3035

No other commercially available cell sorter and analyzer approaches the power, precision and versatility of the Ortho Systems 30/50. The instrument is offered in two basic configurations: System 30—a high resolution, 21 parameter analytical flow cytometer, and System 50—which adds cell sorting capabilities to the System 30 flow cytometer. Both feature dual lasers as standard equipment for increased analytical power.

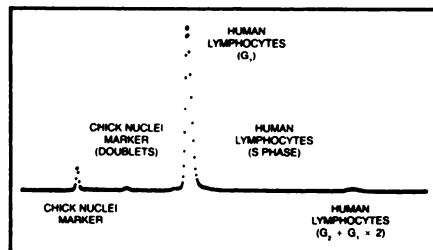
#### System Components

To appreciate the far-reaching capabilities of these Ortho instruments, consider that the System 50 combines: two lasers—a .8 milliwatt helium-neon for ultra high precision scatter measurements and a 5 watt argon type for fluorescence measurements (optional argon-ion, and krypton-ion lasers with U.V. capability are available); four detectors—two of the photo-multiplier type for right angle scatter, and fluorescent emission detection (S-20 response, 185 nm–850 nm), and two solid state sensors for axial light loss and narrow angle forward scatter: a sophisticated optical system incorporating fiber optics: a multiplexed multichannel analyzer, with C.R.T. display: the signal processor unit: and an advanced cell sorter module. Additionally, the Model 2150 computerized 8 parameter data handler/sorter controller is available as an option\* The 2150 System features



2. Histogram of CHO chromosomes stained for D.N.A. Ethidium Bromide/Chromomycin A<sub>3</sub>.

Cytofluorograph System 50H Laser-250mw @ 457nm. Red Fluorescence



2. Histogram of human lymphocytes utilizing a chick nuclei marker for standardization and stained for D.N.A. with Propidium Iodide. C.V. = 1.65% (Human Lymphocytes)

simultaneous data acquisition, and real time processing while sorting is in progress.

#### System Capabilities

Together, these modules allow the System 50 to provide and analyze morphological information—a significant first for a flow cytometric instrument. With four detectors and the ability to display pulse height, pulse area or pulse width analysis for each—a total of 21 distinct measurement parameters can be studied.

The System 50 also features: two bi-dimensional regions of interest, dual histogram multi-channel analyzer with cytogram mode, super-sil quartz optics with which the cells are analyzed and easy sample entry.

In order to provide customers with complete support, Ortho maintains an Applications Laboratory that is available for confirmation and consultation services. Additionally, an international network of service technicians is ready to aid customers should calibration or repairs ever be required.

#### Remarkable Results

The histograms and cytograms displayed were produced by the System 50. Evaluate them. And consider the difficulty of deriving this data by any other means. The capabilities of this unique Ortho instrument will speak for themselves.

## State-of-the-art cell sorting and analysis from Ortho

# The Cytofluorograf® Systems 30/50

System 50H with optional argon ion and krypton ion lasers installed.



For additional information contact your local representative or write: Ortho Diagnostic Systems Inc., 410 University Ave., Westwood, Mass. 02090. (617) 329-6100



Ortho Diagnostic Systems Inc.

---

American Cancer Society

**PHYSICIANS' RESEARCH  
TRAINING FELLOWSHIPS**

---

---

The American Cancer Society has initiated a program of individual training fellowships for physicians. The purpose of these grants is to provide the opportunity for selected physicians to arrive at a level of competence in research comparable to that of recent Ph.D. graduates. Training may be either in basic or clinical fields relevant to cancer research and must be full-time; that is, the awardee may not have any clinical obligations during the training period. In addition, the training period may not be designed as part of a residency protocol required by the various specialty boards. Grants will be awarded for one or two years. The first deadline for receipt of applications will be **October 1, 1981** for funding to begin July 1, 1982. The annual stipend will be \$15,000.

Application forms and additional details concerning these fellowships can be obtained by writing:

**Research Department  
American Cancer Society  
777 Third Avenue  
New York, N.Y. 10017  
Tel: (212) 371-2900**

---

---

---