

BIOABILITY<sup>®</sup> & BIOWORLD<sup>®</sup>

# BIOTECHNOLOGY and MEDICAL DEVICE VC DIRECTORY 2009

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U.S., CANADIAN, EUROPEAN and ASIA PACIFIC  
VENTURE CAPITAL FIRMS AND CONTACTS

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Experienced with projects ranging from small inquiries to larger strategic planning, market research, competitive analysis or technology assessment studies, BioAbility delivers the information rapidly, cost-effectively and custom-tailored to each client's unique and individual needs.

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## About BioWorld

*BioWorld Today*, the newsletter of record for the biotechnology industry, is read by thousands of biotechnology professionals worldwide for its hard-hitting, objective news reporting. *BioWorld Today* is delivered by fax and email every business morning, and is also found exclusively online at [www.bioworld.com](http://www.bioworld.com). The BioWorld Online website has been internationally recognized as the most comprehensive resource for strategic biotechnology news and information available today. In addition to original daily news reporting, BioWorld offers an extensive searchable database with more than 17 years of biotechnology archives. This site is not only a great source for insightful, up-to-the-minute news coverage, but a veritable library of information on the developments of the industry as well. With a quick search, BioWorld subscribers have instant access to a wealth of biotechnology market intelligence from every biotech hotspot around the globe.

BioWorld does not post press releases, but rather uses information that is researched and written by the top business and science reporters in the industry. With nearly 20 writers spread throughout eight countries, BioWorld covers news on public companies and hard-to-find information on private companies. Our seasoned reporters get the inside scoop on what's happening within the corporate walls, on regulatory issues in Washington and elsewhere, and on scientific breakthroughs worldwide. This news coverage of the biotechnology industry is 100 percent original and available only at BioWorld.

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- *BioWorld International* – The weekly monitor of global biotechnology developments.
- *BioWorld Financial Watch* – The weekly report on all market data and business trends in biotechnology.
- *BioScan: The Worldwide Biotech Industry Reporting Service* – The most comprehensive directory of biotechnology companies available.
- *The BioWorld Biotechnology State of the Industry Report* – A must-have annual report reviewing financial trends in the biotechnology industry.
- *The BioWorld Executive Compensation Report* – An annual report revealing executive compensation data at biotechnology companies in the U.S.
- *The BioWorld Phase III Report* – A quarterly compilation of biotechnology products in late-stage clinical trials.
- *China Biotech 2009* – An executive report on the emerging companies, R & D landscape, and recent investments that are defining China's burgeoning biotech industry.
- *BioWorld Top 25 Biotechnology Drugs Report 2008* – A profile and analysis of the top-selling biotechnology drugs and their market impact.
- *The BioWorld BioPartnering Report 2009: Strategies and Paradigms of the Deal* – A complete guide to the life sciences partnering process including examples and strategies for biotech and pharma companies to identify appropriate partners, negotiate transactions and navigate the environment.
- *The BioWorld Genomics Technologies Report: Advances and Challenges in RNAi, Stem Cells and Synthetic Biology* – This market report appraises the state and potential of the genomics technologies market allowing you to see where the trends are taking us for 2009.

- *The BioWorld Biofuels Report 2008: Economics of a Driven Market* – An in-depth report on the emerging biofuels industry, which has quickly placed itself at the forefront of many government initiatives and spans across many vertical markets: biotechnology, auto, oil and energy.
- *BioWorld Snapshots* – An exclusive online product updated daily with market data, such as collaborations, mergers, acquisitions, financings, market cap rankings and more.
- *Medical Device Daily* – The daily medical technology newspaper. Available every business morning via fax or online at [www.medicaldevicedaily.com](http://www.medicaldevicedaily.com).
- *Medical Device Daily Perspectives* – A free weekly e-zine that brings you perspectives on the trends and issues that are shaping the med-tech industry. Sign up for free at [www.medicaldevicedaily.com](http://www.medicaldevicedaily.com).
- *Medical Device Daily's Advances in Biomaterials: State of the Industry and Emerging Markets 2009* – A report that offers insight into the biomaterials market, with analysis of current innovation, growth and FDA approvals, and provides a critical analysis of both the device and biotech industries' principal products in this space.
- *Medical Device Daily State of the Industry Report 2008* – The industry's most comprehensive report on med-tech sectors, companies and products.
- *Medical Device Daily's Nanotechnology R&D Report 2009* – This report is a comprehensive assessment of the burgeoning nanotechnology market, with focused emphasis on the most promising subsector: medical technologies. In the near term, nanotechnology enabled medical devices are forecasted to have astounding impacts on how we diagnose, treat and prevent diseases, injuries and aging. The report offers a generous overview of the advances in nanomedicine and provides details on more than 152 products in various stages of development as well as profiles of the companies and research institutes that are developing them.
- *Medical Device Daily Executive Compensation Report 2009* – This book, new in early 2009, looks at compensation trends in the med-tech industry, including an array of charts showing specific compensation for several top executives at each of about 100 publicly traded firms, organized by job title. Accompanying narrative analyzes the sector's key trends in compensation.

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## FOREWORD

BioAbility, a world leader in providing strategic business information in biotechnology and the life sciences, has developed a database of venture capital (VC) firms that invest in biotechnology or medical device companies. The information from that database is presented here as a user-friendly directory. The data are also available in an electronic database format from BioAbility.

BioAbility researched the venture capital community via commercial databases, surveys, analysis of websites, country-specific venture capital associations and direct contact with the firms. VC firms believed to be involved in biotechnology and/or medical device investment have been included in this directory. Firms that indicated a willingness to invest in either area were included, even if none of their past investments have been in biotechnology or medical devices. In some cases, these firms have multiple physical locations (sites), which are also included in this directory. This directory contains:

- 1,595 VC sites of 952 VC firms
- 2,884 contact names

Please note that the definition of investing in biotechnology or medical devices is taken very broadly and was often self-defined by the VC firms when they were submitting information. Firms in this directory have headquarters in the United States, Canada, Europe, or Asia Pacific. Subsidiary sites in those geographic regions were also included, unless it was clear those sites were not involved in biotechnology or medical device investments. Profiles of the firms in this directory group the subsidiary sites with the headquarters location. However, some firms have relationships that are not strictly headquarters and subsidiary. There is, for example, a network of groups affiliated with Draper Fisher Jurvetson. Each member of the network has been treated as a separate entity with the affiliation noted in the profile.

Biotechnology and medical device portfolios were determined for most of the 952 firms in this directory. Information on companies these firms invested in is presented with each VC firm in the main section of this directory. The portfolios are focused on current and recent investments, although some may be historical if the firm website is not current. Some companies have components of both industries and are included in both portfolios. Further, an index of the 4,028 biotechnology or medical device companies in the portfolios is presented at the end of this directory detailing the VC investors. The portfolio companies listed may be located anywhere in the world. This directory also includes an overall index of VC firms, an index of contact names, an index of VC firms by areas of focus, and a listing of VC firm sites by country, further segmented by city.

As this book was going to press in November 2008, there was significant turmoil in the banking industry. Some of the banks with VC arms were in the process of being acquired, merged, or seized by the respective federal government. The impact of these actions on the VC business structures is not yet clear, so the information has been retained in the directory.

The country names used in this directory are the widely recognized short forms of the names; for example, Austria is used instead of Republic of Austria. Because Hong Kong is a special administrative region of China and maintains a degree of autonomy, it has been treated as a separate country for the purposes of this directory. Israeli VC firms are included in this directory, because they have joined European VC groups and invest outside of Israel, particularly in Europe and North America. The international calling code has been included for all locations outside of the United States and Canada. For an international call, add +1 to dial either country.

Note that some websites may not be able to be viewed by all web browsers. English-language versions of most of the websites are available. However, a few sites were directly translated from foreign languages for inclusion. We found that faxes to firms often failed on one attempt, particularly in Asia, but were successful on a subsequent attempt. Fax transmission failure was typically due to problems such as all circuits being busy or poor line condition.

BioAbility has made every effort to compile data that are up-to-date and accurate. To help ensure accuracy, we requested feedback from each VC firm listed herein on the information we had collected. Firms were contacted up to three times or as necessary in order to verify accuracy. In cases where faxes were not transmitted successfully, we contacted the firms by e-mail or telephone. However, not all VC firms responded, and not all firms update their

online information regularly. Further, despite our efforts to be up-to-date, with over 2,800 contacts listed in this directory it is likely that at any point, some will change position or change their contact information. **Please e-mail any updates or revisions to [info@bioability.com](mailto:info@bioability.com).**

Of the 1,595 VC firm sites in this directory, 1,119 sites invest in both biotechnology and medical devices. The largest number of firms is in the U.S., followed by Germany and the UK, as detailed below. In the U.S., firms are clustered in California (170), Massachusetts (73) and New York (63).

### VC sites that invest in both biotechnology and medical devices

Sorted by Rank

Rank	Country	Count
1	United States	590
2	Germany	74
3	United Kingdom	73
4	Canada	46
4	France	46
6	China	38
7	Israel	25
7	Sweden	25
7	Switzerland	25
10	India	18
11	Singapore	16
12	Hong Kong	15
12	Japan	15
14	Australia	13
15	Denmark	11
16	Ireland	10
16	Netherlands	10
16	Taiwan	10
19	Austria	9
20	Belgium	7
21	Finland	6
21	New Zealand	6
21	South Korea	6
24	Italy	4
24	Spain	4
26	Norway	3
27	Greece	2
27	Luxembourg	2
29	Bosnia	1
29	Croatia	1
29	Cyprus	1
29	Iceland	1
29	Malaysia	1
29	Monaco	1
29	Philippines	1
29	Romania	1
29	Slovakia	1
29	Slovenia	1

Sorted by Country

Country	Count
Australia	13
Austria	9
Belgium	7
Bosnia	1
Canada	46
China	38
Croatia	1
Cyprus	1
Denmark	11
Finland	6
France	46
Germany	74
Greece	2
Hong Kong	15
Iceland	1
India	18
Ireland	10
Israel	25
Italy	4
Japan	15
Luxembourg	2
Malaysia	1
Monaco	1
Netherlands	10
New Zealand	6
Norway	3
Philippines	1
Romania	1
Singapore	16
Slovakia	1
Slovenia	1
South Korea	6
Spain	4
Sweden	25
Switzerland	25
Taiwan	10
United Kingdom	73
United States	590

The directory contains 367 sites that invest in biotechnology, but do not appear to invest in medical devices. The largest number of sites is in the U.S., followed by China, Canada and Germany. Details are shown in the following tables. In the U.S., more firms are located in California (31) and New York (26) than any other state.

**VC sites that invest in biotechnology**

Sorted by Rank

Rank	Country	Count
1	United States	107
2	China	30
3	Canada	21
3	Germany	21
5	India	18
6	United Kingdom	17
7	France	15
8	Hong Kong	14
8	Japan	14
10	Singapore	12
11	Switzerland	10
12	Australia	9
13	Austria	6
13	Belgium	6
13	Malaysia	6
13	Spain	6
17	New Zealand	5
17	Norway	5
17	Sweden	5
20	Denmark	4
20	Israel	4
20	Italy	4
20	Netherlands	4
20	Taiwan	4
25	Iceland	3
25	Luxembourg	3
27	Ireland	2
27	Poland	2
27	Portugal	2
27	South Korea	2
31	Greece	1
31	Hungary	1
31	Indonesia	1
31	Pakistan	1
31	Thailand	1
31	Vietnam	1

Sorted by Country

Country	Count
Australia	9
Austria	6
Belgium	6
Canada	21
China	30
Denmark	4
France	15
Germany	21
Greece	1
Hong Kong	14
Hungary	1
Iceland	3
India	18
Indonesia	1
Ireland	2
Israel	4
Italy	4
Japan	14
Luxembourg	3
Malaysia	6
Netherlands	4
New Zealand	5
Norway	5
Pakistan	1
Poland	2
Portugal	2
Singapore	12
South Korea	2
Spain	6
Sweden	5
Switzerland	10
Taiwan	4
Thailand	1
United Kingdom	17
United States	107
Vietnam	1

Finally, the directory contains a total of 109 sites that invest in medical devices, but do not appear to invest in biotechnology. Over half of those sites are in the U.S., as detailed in the following table. Within the U.S., California again has the most sites with 16.

**VC sites that invest in medical devices**

Sorted by Rank

Rank	Country	Count
1	United States	60
2	China	7
3	Austria	4
3	India	4
3	Israel	4
6	Germany	3
6	Hong Kong	3
6	Switzerland	3
9	Australia	2
9	France	2
9	Singapore	2
9	United Kingdom	2
13	Belgium	1
13	Czech Republic	1
13	Denmark	1
13	Hungary	1
13	Japan	1
13	Luxembourg	1
13	Netherlands	1
13	Poland	1
13	South Korea	1
13	Spain	1
13	Sweden	1
13	Taiwan	1
13	Turkey	1

Sorted by Country

Country	Count
Australia	2
Austria	4
Belgium	1
China	7
Czech Republic	1
Denmark	1
France	2
Germany	3
Hong Kong	3
Hungary	1
India	4
Israel	4
Japan	1
Luxembourg	1
Netherlands	1
Poland	1
Singapore	2
South Korea	1
Spain	1
Sweden	1
Switzerland	3
Taiwan	1
Turkey	1
United Kingdom	2
United States	60

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<p>Contact BioAbility to purchase the data in searchable electronic format:  Phone: 919-544-5111                      E-mail: <a href="mailto:info@bioability.com">info@bioability.com</a></p>
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Both biotechnology and medical devices

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#### **Medical Device Portfolio**

CarboMed Inc.; Dialysis Systems Inc.

#### **Stages Funded**

Series A-B, Series C-D

#### **Areas of Focus**

Diagnostics, Medical devices, Therapeutics

### **3i GROUP PLC**

Both biotechnology and medical devices

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#### **Medical Device Portfolio**

Doxa AB; Endosense SA; Small Bone Innovations Inc.; TransMedics Inc.

#### **Stages Funded**

Seed, Series A-B

### **3V SOURCEONE CAPITAL PTE LTD.**

Both biotechnology and medical devices

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ChemNavigator Inc.; Intracel Holdings Corporation; Linden Bioscience Inc.; NanoMaterials Technology Pte Ltd; Omeros Corporation; ViaCell Inc.

#### **Medical Device Portfolio**

Baynet Optics Inc.; Restore Medical Inc.

#### **Stages Funded**

Seed, Series A-B, Series C-D

#### **Areas of Focus**

Diagnostics, Medical devices, Platform technologies, Therapeutics

## **4TH LEVEL VENTURES**

Both biotechnology and medical devices

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### **Biotechnology Portfolio**

Celtic Catalysts Ltd.; IdentiGen Ltd.

### **Medical Device Portfolio**

Deerac Fluidics Ltd.

### **Stages Funded**

Seed, Series A-B, Series C-D

### **Areas of Focus**

Agriculture, Diagnostics, Medical devices, Semiconductors

### **Total Amount Managed**

\$30 million  
As of June 26, 2008

## **5AM VENTURES**

Both biotechnology and medical devices

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### **Biotechnology Portfolio**

Achaogen Inc.; Alexza Pharmaceuticals Inc.; Ambrx Inc.; Anaphore Inc.; Antipodean Pharmaceuticals Inc.; Icaria Inc.; Ilypsa Inc. (acquired by Amgen Inc.); KaloBios Pharmaceuticals Inc.; Kalypsys Inc.; Marcadia Biotech Inc.; Miikana Therapeutics Inc. (acquired by Entremed Inc.); Panomics Inc. (FKA Genospectra Inc.); Pearl Therapeutics Inc.; PhaseRx Inc.; Pulmatrix Inc.; Relypsa Inc.; Synosia Therapeutics Inc.; Variation Biotechnologies Inc.

### **Medical Device Portfolio**

SteriCoat Corporation; WaveRx Inc.

### **Stages Funded**

Seed, Series A-B

### **Areas of Focus**

Chemicals/Reagents/Supplies, Diagnostics, Medical devices, Platform technologies, Therapeutics, Vaccines

### **Total Amount Managed**

\$215 million  
As of August 18, 2008