

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
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<b>NATURE OF CONVEYANCE:</b>	Intellectual Property Security Agreement
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<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Large Scale Biology Corporation	10/13/2005

<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Agility Capital, LLC
<b>Street Address:</b>	226 E. Canon Perdido Street
<b>Internal Address:</b>	Suite F
<b>City:</b>	Santa Barbara
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	93101

**PROPERTY NUMBERS Total: 31**

Property Type	Number
Patent Number:	6300133
Patent Number:	6300134
Patent Number:	6284492
Patent Number:	6054566
Patent Number:	5977438
Patent Number:	5965794
Patent Number:	5922602
Patent Number:	5889191
Patent Number:	5889190
Patent Number:	5866785
Patent Number:	5811653
Patent Number:	5589367
Patent Number:	5316931
Patent Number:	6906172

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Patent Number:	6841659
Patent Number:	6617435
Patent Number:	6441147
Patent Number:	6284875
Patent Number:	6037456
Patent Number:	6033895
Application Number:	09585475
Application Number:	09753678
Application Number:	10915092
Application Number:	10994025
Application Number:	10984409
Application Number:	10850759
Application Number:	10043377
Application Number:	11055329
Application Number:	10295840
Application Number:	10235649
Application Number:	10434556

**CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	305948-109
NAME OF SUBMITTER:	Diana Sanchez Bentz

Total Attachments: 9  
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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of October 13, 2005 by and between AGILITY CAPITAL, LLC ("Lender") and LARGE SCALE BIOLOGY CORPORATION, a Delaware corporation ("Borrower").

### RECITALS

Lender and Borrower are parties to that certain Loan Agreement of even date (as amended from time to time, the "Loan Agreement"). Capitalized terms used herein have the meaning assigned in the Loan Agreement. Borrower has granted to Lender a security interest in the Collateral.

NOW, THEREFORE, Borrower agrees as follows:

### AGREEMENT

To secure performance of Borrower's obligations under the Loan Agreement, Borrower grants to Lender a security interest in all of Borrower's right, title and interest in Borrower's intellectual property as listed on Schedules A and B hereto), including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits). This security interest is granted in conjunction with the security interest granted to Lender under the Guaranty. Each right, power and remedy of Lender provided for herein shall not preclude the simultaneous or later exercise by Lender of any or all other rights, powers or remedies.

Upon repayment of the indebtedness under the Loan Agreement, the security interest granted herein shall automatically terminate with respect to all such intellectual property. Upon any such termination, Lender will execute and deliver to Borrower such documents as Borrower shall reasonably request to evidence such termination.

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed as of the first date written above.

Address of Borrower:

333 Vaca Valley Parkway, Suite 1000  
Vacaville, CA 95688

Attn:

Address of Lender:

226 E. Canon Perdido Street, Suite F  
Santa Barbara, CA 93101

LARGE SCALE BIOLOGY CORPORATION

By: 

Title: CHIEF FINANCIAL OFFICER

AGILITY CAPITAL, LLC

By: 

Title: Chief Credit Officer

EXHIBIT A  
PATENTS AND PATENT APPLICATIONS

U.S. Patent No.	Title	Issue Date
6,300,133	RNA Transformation Vectors Derived from an Uncapped Single-Component RNA Virus	October 9, 2001
6,300,134	RNA Transformation Vectors Derived from a Single-Component RNA Virus and Contain an Intervening Sequence Between the Cap and the 5' End	October 9, 2001
6,284,492	Recombinant Animal Viral Nucleic Acids	September 4, 2001
6,054,566	Recombinant Animal Viral Nucleic Acids	April 25, 2000
5,977,438	Production of Peptides in Plants as Viral Coat Protein Fusions	November 2, 1999
5,965,794	Viral Amplification of Recombinant Messenger RNA in Transgenic Plants	October 12, 1999
5,922,602	The Cytoplasmic Inhibition of Gene Expression by Viral RNA	July 13, 1999
5,889,191	Viral Amplification of Recombinant Messenger RNA in Transgenic Plants	March 30, 1999
5,889,190	Recombinant Plant Viral Nucleic Acids	March 30, 1999
5,866,785	Recombinant Plant Viral Nucleic Acids	February 2, 1999
5,811,653	Viral Amplification of Recombinant Messenger RNA in Transgenic Plants	September 22, 1998
5,589,367	Recombinant Plant Viral Nucleic Acids	December 31, 1996
5,316,931	Plant viral vectors having heterologous subgenomic promoters for systemic expression of foreign genes	May 31, 1994
6,906,172	Flexible Processing Apparatus for Isolating and Purifying Viruses, Soluble Proteins and Peptides from Plant Sources	June 14, 2005
6,841,659	Method for Recovering Proteins from the Interstitial Fluid of Plant Tissues	January 11, 2005
6,617,435	Method for Recovering Proteins from the Interstitial Fluid of Plant Tissues	September 9, 2003
6,441,147	Method for Recovering Proteins from the Interstitial Fluid of Plant Tissues	August 27, 2002
6,284,875	Method for Recovering Proteins From the Interstitial Fluid of Plant Tissues	September 4, 2001
6,037,456	Process for Isolating and Purifying Viruses, Soluble Proteins and Peptides From Plant Sources	March 14, 2000
6,033,895	Process for Isolating and Purifying Viruses, Soluble Proteins and Peptides From Plant Sources	March 7, 2000

Application No.	Country	Title	Issue Date
10/915,092	US	Identifying Physiological States	8/9/2004
10/994,025	US	Identifying Physiological States	11/19/2004
10/984,409	US	Method, Process and Apparatus for Identifying Biological States from Biological Data	11/8/2004
10/850,759	US	Method, Process and Apparatus for Identifying Physiological States	5/21/2004
2001266650	Australia	Protein Markers for Pharmaceuticals and Related Toxicity	6/1/2001
2002-502156	Japan	Protein Markers for Pharmaceuticals and Related Toxicity	6/1/2001
09/585,475	US	Protein Markers for Pharmaceuticals and Related Toxicity	6/2/2000
10/043,377	US	Recursive Categorical Sequence Assembly	1/11/2002
09/753,678	US	Reference Database	1/4/2001
11/055,329	US	Reference Database	2/9/2005
10/295,840	US	Reference Database	11/18/2002
10/235,649	US	Reference Database	9/6/2002
10/434,556	US	Satellite Image Enhancement and Feature Identification Using Information Theory Radial-Basis Bio-marker Filter	5/9/2003

EXHIBIT B  
TRADEMARKS

Country	Mark	Status	Application No. Filing Date	Registration No. Registration Date
US	APRONEXIN	Not yet filed.		
US	BAMF	Allowed	76/560,985 11/3/2003	
US	BIOMARKER AMPLICATION FILTER	Allowed	76/560,986 11/3/2003	
US	BIOSOURCE	Registered	73/761,516 11/2/1988	1,559,362 10/3/1989
US	BIOSOURCE	Registered	74/802,652 12/4/1989	1,953,774 1/30/1996
US	BIOSOURCE GENETICS	Pending	78/440,235 6/23/2004	
US	CABLS	Not yet filed.		
US	CHOLESTRASE	Not yet filed.		
US	CIEGEX	Not yet filed.		
US	EARLY DETECTION FOR LIFE	Allowed	78/461,697 8/4/2004	
US	eFLOW	Not yet filed.		
US	ENZAGAL	Pending	76/562,928 11/19/2003	
US	EXPRESS VECTOR	Expired	74/367,158 3/11/1993	1,933,523 11/7/1995
US	GENEWARE	Registered	75/716,636 5/28/1999	2,550,504 3/19/2002
US	GENEWARE	Registered	74/345,827 1/5/1993	1,837,599 5/31/1994
Canada	GENEWARE	Pending	881,042 6/10/1998	
CTM	GENEWARE	Registered	848,440 6/11/1998	000848440 6/11/1998
Israel	GENEWARE	Registered	120229 6/11/1998	120229 6/7/1999

Country	Mark	Status	Application No. Filing Date	Registration No. Registration Date
Israel	GENEWARE	Registered	120231 6/11/1998	120231 6/7/1999
Israel	GENEWARE	Registered	120230 6/11/1998	120230 6/7/1999
Japan	GENEWARE	Registered	10-50426 6/16/1998	4667570 5/2/2003
So. Korea	GENEWARE	Registered	98-617 6/15/1998	249 7/13/1999
Mexico	GENEWARE	Registered	337213 6/24/1998	628571 10/14/1999
Mexico	GENEWARE	Registered	337215 6/24/1998	628573 10/14/1999
Mexico	GENEWARE	Registered	337214 6/24/1998	628572 10/14/1999
New Zealand	GENEWARE	Registered	293742 6/12/1998	293742 9/24/1998
New Zealand	GENEWARE	Registered	293744 6/12/1998	293744 1/18/1999
New Zealand	GENEWARE	Registered	193742 6/12/1998	293743 1/18/1999
So. Africa	GENEWARE	Registered	98/10036 6/11/1998	98/10036 6/11/1998
So. Africa	GENEWARE	Registered	98/10038 6/11/1998	98/10038 6/11/1998
So. Africa	GENEWARE	Registered	98/10037 6/11/1998	98/10037 6/11/1998
US	GRAMMR	Not yet filed.		
Us	HPI	Registered	75/913,255 2/8/2000	2,669,638 12/31/2002
South Africa	HPI	Pending	2000/03721 3/6/2000	
South Africa	HPI	Pending	2000/03721 3/6/2000	
South Africa	HPI	Pending	2000/03721 3/6/2000	
Mexico	HPI	Registered	414169 3/6/2000	684964 1/31/2001
Mexico	HPI	Registered	414166 3/6/2000	673176 9/29/2000

Country	Mark	Status	Application No. Filing Date	Registration No. Registration Date
Mexico	HPI	Registered	414168 4/16/2000	673177 9/29/2000
Australia	HPI	Registered	828975 3/23/2000	828975 3/23/2000
Canada	HPI	Registered	1,049,842 3/7/2000	TMAS565,407 7/31/2002
Europe (CTM)	HPI	Registered	001548502 3/9/2000	001548502 6/27/2001
Israel	HPI	Registered	135,342 3/1/2000	135,342 3/1/2000
Japan	HPI	Registered	2000-023462 3/10/2000	5436321 1/18/2002
South Korea	HPI	Registered	2000-0000949 3/6/2000	0003055 5/22/2001
Israel	HPI	Registered	135,343 3/1/2000	135,343 3/1/2000
Israel	HPI	Registered	135,344 3/1/2000	135,344 3/1/2000
New Zealand	HPI	Registered	609679 3/3/2000	609679 9/6/2001
New Zealand	HPI	Registered	609680 3/3/2000	609680 9/6/2001
New Zealand	HPI	Registered	609681 3/3/2000	609681 9/6/2001
Australia	HPI Human Protein Index	Registered	828974 3/23/2000	828974 3/23/2000
Europe (CTM)	HPI Human Protein Index	Registered	001548569 3/9/2000	001548569 7/5/2000
Israel	HPI Human Protein Index	Registered	135,345 3/1/2000	135,345 3/1/2000
Israel	HPI Human Protein Index	Registered	135,346 3/1/2000	135,346 3/1/2000
Israel	HPI Human Protein Index	Registered	135,347 3/1/2000	135,347 3/1/2000
Japan	HPI Human Protein Index	Registered	2000/23463 3/10/2000	4536200 1/18/2002
New Zealand	HPI Human Protein Index	Registered	609682 3/3/2000	609682 9/6/2001
New Zealand	HPI Human Protein Index	Registered	609684 3/3/2000	609684 9/6/2001



Country	Mark	Status	Application No. Filing Date	Registration No. Registration Date
New Zealand	HPI Human Protein Index	Registered	609683 3/3/2000	609683 9/6/2001
US	HTC	Not yet filed.		
US	HUMAN PROTEIN INDEX	Registered	76/191,313 1/5/2001	2,637,667 10/15/2002
US	KEPLER	Registered	73/754,792 9/29/1988	1,593,631 4/24/1990
US	LALESTRA	Not yet filed.		
US	LARGE SCALE BIOLOGY	Registered	75/702,900 5/11/1999	2,528,880 1/15/2002
Canada	LARGE SCALE BIOLOGY	Registered	1,024,420 7/20/1999	TMA565,414 7/31/2002
Japan	LARGE SCALE BIOLOGY	Registered	725654/1999 8/13/1999	4443376 1/15/2001
US	LARGE SCALE BIOLOGY (LOGO)	Registered	76/262,578 5/25/2001	2,647,506 11/5/2002
US	LARGE SCALE BIOLOGY CORPORATION	Registered	76/044,684 5/10/2000	2,641,223 10/22/2002
US	LARGE SCALE GENOMICS	Registered	76/288,420 7/20/2001	2,637,713 10/15/2002
US	LEAF & FLASK DESIGN	Registered	74/574,657 9/16/1994	2,221,877 2/2/1999
US	LSB	Registered	75/702/924 5/11/1999	2,505,792 11/13/2001
US	LSB Geneware	Not yet filed.		
Europe CTM	LSB Large Scale Biology	Registered	002106193 2/27/2001	002106193 2/27/2001
US	LSBC	Registered	76/044,685 5/10/2000	2,646,568 11/5/2002
US	MAP	Registered	76/048,849 5/16/2000	2,633,488 10/8/2002
US	MAP-MOLECULAR, ANATOMY AND PATHOLOGY	Registered	76/050,378 5/16/2000	2,708,099 4/15/2003
US	MED-MOLECULAR EFFECTS OF DRUGS	Registered	76/048,786 5/16/2000	2,646,576 11/5/2002

Country	Mark	Status	Application No. Filing Date	Registration No. Registration Date
US	MOLECULAR EFFECTS OF DRUGS	Registered	76/370,110 2/12/2002	2,637,767 10/15/2002
US	NAVIGENE	Not yet filed		
US	PANVAX	Not yet filed		
US	PARLINE	Not yet filed		
US	PARVOTECH	Not yet filed		
US	PDI-PREDICTIVE DIAGNOSTICS	Pending	78/461,693 8/4/2004	
US	PHARMACEUTICAL PROTEOMICS	Registered	76/050,379 5/16/2000	2,626,825 9/24/2002
US	PLURIGEN	Registered	76/249,516 5/1/2001	2,725,318 6/10/2003
US	POLYVAX	Not yet filed.		
US	Power of Proteomics Search	Not yet filed.		
US	PROGEX	Registered	76/050,347 5/16/2000	2,632,622 10/8/2002
US	STICKY RICE	Registered	76/394,360 4/10/2002	2,812,217 2/10/2004

EXHIBIT C  
COPYRIGHTS

Borrower	Title	Filing Date Reg. Date & Reg. No.	Owner
LSBC	BIOSOURCE LIMS, Version 0.1a	Filed: 7/7/1999 Reg. Date: 7/9/1999 Reg. No.: TXU645-606	LSBC
LSBC	BIOSOURCE LIMS, PHENOTYPE, Version 0.1a	Filed: 7/7/1999 Reg. Date: 7/9/1999 Reg. No.: TXU910-392	LSBC

Large Scale Biology Corporation is also the owner of several unregistered copyrights in research notebooks, research reports, and other internal company documents, sales documents, presentation slides, and web site materials.