

## Recent patent applications in drug discovery

Patent number	Description	Assignee	Inventor	Priority application date	Publication date
WO 2010083617	New pyrazolopyrimidine compounds that are protein kinase inhibitors; useful for treating (hyper) proliferative diseases and angiogenesis-related diseases or as a research tool in drug discovery.	Oncalis (Schlieren, Switzerland)	Capraro H	1/21/2009	7/29/2010
JP 2010164448	A dispensing apparatus used in genome-based drug discovery, with an overflow tank to temporarily accommodate cleaning liquid overflowing through an opening from the liquid storage tank storing cleaning liquid for the nozzle cleaning portion.	Matsushita Electrical Industrial (Kadoma, Japan)	Shimokawa K, Yamashita S	1/16/2009	7/29/2010
US 20100167418	A method of identifying a candidate modulator of integrin activity, comprising contacting integrin polypeptide with candidate agent and detecting binding of candidate agent to the integrin polypeptide.	Immune Disease Institute (Boston)	Luo BH, Springer TA	12/29/2008	7/1/2010
WO 2010073519	A new Alzheimer's disease model animal having a continuous increase in the concentration of amyloid- $\beta$ protein in the brain; useful for monitoring <i>in vivo</i> production of amyloid- $\beta$ protein or symptoms of Alzheimer's disease and in drug discovery.	Japan Health Science Foundation (Tokyo)	Kagawa S, Takikawa O	12/26/2008	7/1/2010
US 20100152280	A new oligomeric compound that is a modulator of systemic RNA interference defective-1 expression; useful for diagnosing and treating cancer and viral infection, and in drug discovery.	Isis Pharmaceuticals (Carlsbad, CA, USA)	Bennett CF, Dobie KW	5/24/2004	6/17/2010
WO 2010060019, US 20100130725	A method of characterizing a molecule, comprising collecting the biosensor response of a molecule producing a primary profile, collecting the biosensor response of a marker panel in a cell panel, extracting a specific set of biosensor parameters from each biosensor signal, normalizing each biosensor parameter against a positive control and comparing the molecule biosensor index to a library of modulator biosensor indexes.	Corning (Corning, NY, USA)	Fang Y, Ferrie AM, Lahiri J, Tran E	11/24/2008	5/27/2010, 5/27/2010
US 20100122906	A biochemical concentrator for drug discovery comprising a solution containing a target species, and an electric field generator for effecting movement of the target species within the solution and changing species flux within regions of solution.	Holm-Kennedy JW	Holm-Kennedy JW	3/16/2005	5/20/2010
US 20100119413	A system for analyzing biological samples in a microtiter plate for drug discovery research; comprises a processor that controls a gripper assembly to grip the microtiter plate along opposing sides in portrait or landscape orientation.	Beckman Coulter (Fullerton, CA, USA)	Avgerinos PN, Rizzotte SH, Turner DA	5/18/2008	5/13/2010
US 20100099190	A cultured cell construct comprising spheroids of mesenchymal stem cells; useful for developing biodevices used for diagnosis, reconstructive medicine and drug discovery.	Transparent (Chiba, Japan)	Chung U, Itaka K, Kataoka K, Nishiyama N, Ohba S, Wang W, Yamasaki Y	10/21/2008	4/22/2010
JP 2010071851	A flowthrough cell-type biosensor apparatus for use in, e.g., drug discovery. The biosensor has a switching valve with a suction element that maintains the pump in an airtight state when sucking the sample solution from a container using the pump.	Ulvac (Chigasaki, Japan)	Ito A, Mizutani T, Take R, Tanaka S	9/19/2008	4/2/2010
JP 2010051243	A new <i>Actinomyces</i> strain deposited as NITE P-621 and obtained by introducing a mycinose biosynthetic gene into the bacteria; useful for manufacturing a rosamicin derivative having antimicrobial activity and for drug discovery.	Sansho (Osaka, Japan)	Anzai Y, Fujiwara T, Iisaka Y, Kato F, Kinoshita K, Moroboshi T	8/28/2008	3/11/2010

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