Invitrogen Corporation and BioProcessors Corporation have announced a technology collaboration in which Invitrogen will provide process development services utilizing BioProcessors’ SimCell Automated Management (SAM) robotic system. The installation of a SimCell unit in Invitrogen’s Grand Island facility is underway, with client projects offered through PD-Direct™ beginning this fall.

The SimCell system is a high throughput simulated scale-down bioreactor tool designed to run a higher number of experiments than previously feasible. “This technology enables data intensive approaches such as multivariate analyses to better engineer our cell culture media and enhance processes for our customers,” said Reg Joseph, Invitrogen’s Business Area Manager, BioProduction.

“BioProcessors’ SimCell technology was developed to meet the need for greater process development power,” said BioProcessors CEO Andrey Zarur. “We are excited about the pairing of Invitrogen’s process development expertise with the Design of Experiments capability enabled by the SimCell technology.”

Invitrogen and BioProcessors also announced that they will continue to collaborate on the development of high throughput cell culture applications for the SimCell platform and will look to expand MicroBioreactor™ technology into other areas of cell and tissue culture science.

**About Invitrogen**
Through PD-Direct™, Invitrogen brings together novel technologies able to solve critical issues for bioproduction. The SimCell system enhances the speed and accuracy of Invitrogen’s media development program and the Revolution™ technology enables optimization of clients’ production cell lines for expression levels, growth and performance in tailored environments. Invitrogen provides products and services that support academic and government research institutions and pharmaceutical and biotech companies worldwide in their efforts to improve the human condition. For more information, visit [www.invitrogen.com](http://www.invitrogen.com/pddirect).

**About BioProcessors**
BioProcessors Corp. is the leader in delivering micro-engineered solutions for biopharmaceutical process development applications for the biotechnology and pharmaceutical industry. BioProcessors’ SimCell Automated Management (SAM) robotic system is the first fully automated, high throughput system for bioprocess cell culture development capable of generating data scalable to large-scale bioreactors. SimCell innovation changes biopharmaceutical process development to make it faster, scalable, more accurate, and more cost effective. More information about BioProcessors’ SimCell technology can be found at [www.bioprocessors.com](http://www.bioprocessors.com).
Q: **What is the relationship between Invitrogen and BioProcessors?**

A: Invitrogen has entered into collaboration with BioProcessors and purchased a SimCell™ SAM system for the purpose of advancing upstream development. Invitrogen will integrate the SimCell technology within the services offered through the PD Direct™ process development technology group. The relationship is built on combining Invitrogen’s expertise in process development science, cell culture media development and cell culture engineering with BioProcessor’s expertise with the enabling MicroBioreactor technologies incorporated in the SAM system. Invitrogen is offering, access to the SimCell technology on a fee for service contract process development basis.

Q: **When should I go to Invitrogen and when to BioProcessors?**

A: Invitrogen offers process development expertise and provides fee-based services to third parties through PD-Direct utilizing the SimCell system (described below). BioProcessors is focused on SimCell applications development and SAM installations. Don’t hesitate to contact anyone from either Invitrogen or BioProcessors and we will help direct your inquiry appropriately.

Q: **Does Invitrogen sell SimCell Robot Systems or components for the Robots?**

A: Invitrogen does not sell the SimCell Robot System or the components required to run the robot. During the course of a services relationship with Invitrogen, if a client becomes interested in purchasing a SimCell instrument, Invitrogen would refer all purchase related activities over to BioProcessors.

Q: **What are the services that Invitrogen offers using the SimCell system?**

A: Invitrogen will be offering several types of PD-Direct service projects utilizing the SimCell technology including: scaledown parameter mapping, media component screening, and clone evaluations. We will also be offering de novo media development services to a limited number of clients. As SimCell applications are extended and enhanced through the continuing technical collaboration between Invitrogen and BioProcessors, more services will be made available to our clients. If you are interested in a project type that is not listed here, we would welcome the opportunity to discuss it with you.

Q: **How do I find out more?**

A: For more information on Invitrogen’s services, visit [www.invitrogen.com/pddirect](http://www.invitrogen.com/pddirect) or contact us at pd.direct@invitrogen.com. Likewise, more information on the Simcell system can be found at [www.bioprocessors.com](http://www.bioprocessors.com).