



Intrexon Reports Second Quarter and First Half 2019 Financial Results

– Quarterly GAAP revenues of \$36.0 million and net loss attributable to Intrexon of \$38.8 million including non-cash charges of \$8.0 million –

GERMANTOWN, MD, August 8, 2019 – [Intrexon Corporation](#) (NASDAQ: XON), a leader in the engineering and industrialization of biology to improve the quality of life and health of the planet, today announced its second quarter and first half financial results for 2019.

Recent Business Highlights:

- Precigen, Inc., a wholly owned subsidiary of Intrexon, announced the [first patient dosed](#) with PRGN-3005, an investigational autologous chimeric antigen receptor T (CAR-T) cell therapy developed using Precigen’s non-viral UltraCAR-T™ platform. PRGN-3005 UltraCAR-T™ therapy is under investigation for the treatment of patients with advanced, recurrent platinum resistant ovarian, fallopian tube or primary peritoneal cancer (clinical trial identifier: [NCT03907527](#));
- Precigen, Inc., announced the [first patient dosed](#) with PRGN-3006, an investigational autologous CAR-T cell therapy developed using Precigen’s non-viral UltraCAR-T™ platform for the treatment of patients with relapsed or refractory acute myeloid leukemia or higher risk myelodysplastic syndrome (clinical trial identifier: [NCT03927261](#));
- Intrexon entered into an agreement under which it will contribute its Methane Bioconversion Platform, together with all its associated technologies and facilities, to MBP, LLC, a newly formed company that will be headed by David Dewhurst, who is purchasing equity capital in the venture;
- Oxitec, Ltd., a wholly owned subsidiary of Intrexon, successfully completed the first pilot project of its 2nd Generation Friendly™ *Aedes aegypti* technology in Brazil, a mosquito strain that unlocks new performance features, greater cost-effectiveness and scalability over Oxitec’s 1st generation with limited production requirements. Oxitec’s new mosquitoes achieved excellent results in urban, dengue-prone environments, demonstrating its ability to achieve significant suppression with five times fewer mosquitoes. To pilot the technology in the US, Oxitec is working with the US Environmental Protection Agency (EPA) leadership on its Experimental Use Permit (EUP) in preparation for implementing a pilot project in 2020 in Florida;
- ActoBio Therapeutics, Inc., a wholly owned subsidiary of Intrexon, announced that following a review by the independent Data and Safety Monitoring Board (DSMB) it will progress to the [next stage of the Phase Ib/IIa clinical trial](#) for investigational drug AG019 for the treatment of early onset type 1 diabetes (T1D). ActoBio Therapeutics has initiated enrollment of the next two patient cohorts of the study: AG019 dosing in patients 12-17 years of age and combination dosing of AG019 plus teplizumab in adults;
- Triple-Gene LLC has proceeded to enrollment of the second cohort of the Phase 1 clinical trial of INXN-4001, an investigational new drug which is the world’s first triple effector gene drug candidate being evaluated for the treatment of heart failure, following review of the first cohort data by the DSMB;
- Intrexon Laboratories Hungary and Surterra Wellness (Surterra) partnered in an [exclusive global licensing agreement](#) to advance Surterra’s cannabinoid production at a reliable, efficient, cost-effective, industrial scale utilizing Intrexon’s proprietary yeast fermentation platform. The deal, including milestones and royalties, will leverage each company’s expertise to ultimately bring new legal and ethical cannabinoid products to market to meet growing demand, boost innovation, and improve product development;

- Intrexon announced it is [advancing its non-browning GreenVenus™ Romaine lettuce](#) to commercial-size production trials as initial data under commercial indoor production conditions indicate that it has improved shelf-life up to 2 weeks and a potential for higher marketable yield with no tip burn. Non-browning GreenVenus™ lettuce has also been assessed by the United States Department of Agriculture and determined not to be subject to regulation under 7CFR Part 340 for plants altered or produced through genetic engineering; and
- Intrexon entered into a nonbinding letter of intent, and received a nonrefundable cash deposit, for the sale of Exemplar Genetics, a wholly owned subsidiary of Intrexon focused on developing miniature swine models of human disease. The transaction is expected to close within the next thirty days pending completion of diligence.

Second Quarter 2019 Financial Highlights:

- Total revenues of \$36.0 million;
- Net loss of \$38.8 million attributable to Intrexon, or \$(0.25) per basic share, including non-cash charges of \$8.0 million; and
- Cash, cash equivalents, and short-term investments totaled \$125.8 million and the value of common equity securities totaled \$21.5 million at June 30, 2019.

First Half 2019 Financial Highlights:

- Total revenues of \$59.3 million;
- Net loss of \$99.5 million attributable to Intrexon, or \$(0.65) per basic share, including non-cash charges of \$28.2 million.

“Earlier this year we announced our intent to focus the Company’s business, directing capital to certain of our most strategic programs. We also established a goal of ending the year with approximately the same net cash and short-term investment position that the company held on April 3, 2019, which included initiating plans to sell or partner certain divisions and to reduce our original 2019 operating budget by approximately \$70 million,” commented Randal J. Kirk, Chairman and Chief Executive Officer of Intrexon.

Mr. Kirk concluded, “Based on the significant steps we have taken with respect to the sales of certain subsidiaries and assets, the partnering of programs, as well as operating cost reductions, we continue to believe our goal with respect to achieving the same net cash and short-term investment position should be achieved. Moreover, I believe we will meet this goal while retaining for the company the core technologies and valuable product candidates that represent the most important future value for our shareholders.”

“We have identified and implemented significant operating cost reductions. However, based on progress to date and the ongoing evaluation of the Company’s strategic direction and long-term best interest, management has determined not to proceed in continuing its efforts to achieve the full initial target of \$70 million in operating cost reductions. Instead, we will concentrate our focus on our overall net cash and short-term investment position,” added LTG (Ret.) Thomas Bostick, PhD, PE, Chief Operating Officer of Intrexon and President, Intrexon Bioengineering.

There are risks and uncertainties inherent in forecasts of this nature, including with respect to the challenges in identifying and negotiating with counterparties, transactions taking longer or generating lower proceeds than expected, changes in strategic directions, general market developments, costs and expenses being higher than anticipated, developments in clinical, market or competitive data, and other factors of the type generally applicable to the Company’s business, including those discussed under the Safe Harbor Statement below.

With regard to the agreement to build a standalone energy company to be led by Governor Dewhurst on the foundation of Intrexon's Methane Bioconversion Platform, Mr. Kirk further commented, "Governor Dewhurst brings a lifetime of experience that perfectly suits him to lead the revolution in energy that should be made possible through our Methane Bioconversion Platform. From his experience as an intelligence officer, in public service (including serving as Lieutenant Governor of Texas for twelve years) and in building successful energy companies, he has throughout demonstrated leadership, intelligence, courage and personal integrity that inspire and that achieve significant results. We look forward to his leadership at MBP and to working with him to fully realize its great potential."

"As I have followed Intrexon, I have learned to admire and respect RJ's acumen and visionary creation to improve the quality of life for all people. As an innovator, who has repeatedly implemented technologies successfully, I feel driven to seize this opportunity to work alongside RJ and the incredibly talented team as CEO of the Methanotroph Bioconversion Platform, to build a safer, healthier planet, and a more promising future. I'm excited by this opportunity and dedicated to bringing together great minds in synthetic biology with industry to solve big challenges facing today's society," Governor Dewhurst stated.

Second Quarter 2019 Financial Results Compared to Prior Year Period

Total revenues decreased \$9.3 million from the quarter ended June 30, 2018. Collaboration and licensing revenues decreased \$8.4 million, or 48%, from the quarter ended June 30, 2018 primarily due to the reacquisition of rights previously licensed to some of our most significant collaborators in the second half of 2018 and the result of which eliminated or substantially reduced revenues previously generated from those collaborations.

Research and development expenses decreased \$7.5 million, or 18%. The 2018 amounts include \$5.3 million of one-time costs associated with closing one of Oxitec's research and development facilities as the Company decentralized operations previously conducted in this facility. Additionally, depreciation and amortization decreased \$2.2 million primarily due to intangible assets that were impaired or abandoned in 2018. Selling, general and administrative (SG&A) expenses decreased \$12.9 million, or 38% and of this amount, \$10.6 million was primarily attributable to decreased share-based compensation expense which arose primarily from the departure of former employees.

First Half 2019 Financial Results Compared to Prior Year Period

Total revenues decreased \$25.6 million from the six months ended June 30, 2018. Collaboration and licensing revenues decreased \$22.2 million, or 60%, from the six months ended June 30, 2018 primarily due to the reacquisition of rights previously licensed to some of our most significant collaborators in the second half of 2018 and the result of which eliminated or substantially reduced revenues previously generated from those collaborations. Product revenues decreased \$4.0 million, or 24%, primarily due to lower customer demand for pregnant cows, live and weaned calves, and cloned products. Gross margin on products declined in the current period as a result of fewer products sold, decreased sales prices, and increased costs associated with new product offerings.

Research and development expenses decreased \$11.6 million, or 15%. The 2018 amounts include \$5.3 million of one-time costs associated with closing one of Oxitec's research and development facilities as the Company decentralized operations previously conducted in this facility. Additionally, depreciation and amortization decreased \$4.3 million primarily due to intangible assets that were impaired or abandoned in 2018. Research and development salaries, benefits and other personnel costs decreased \$2.0 million primarily due to the closing of one of Oxitec's research and development facilities. SG&A expenses decreased \$19.1 million, or 26% and of this amount, \$15.5 million was primarily attributable to decreased share-based compensation expense which arose primarily from the departure of former employees.

Conference Call and Webcast

The Company will host a conference call today Thursday, August 8th, at 5:30 PM ET to discuss the second quarter and first half 2019 financial results and provide a general business update. The conference call may be accessed by dialing 1-888-317-6003 (Domestic US), 1-866-284-3684 (Canada), and 1-412-317-6061 (International) and providing the number 4443860 to join the Intrexon Corporation Call. Participants may also access the live webcast through Intrexon's website in the Investors section at <http://investors.dna.com/events>.

About Intrexon Corporation

Intrexon Corporation (NASDAQ: XON) is Powering the Bioindustrial Revolution with Better DNA[™] to create biologically-based products that improve the quality of life and the health of the planet through two operating units – Intrexon Health and Intrexon Bioengineering. Intrexon Health is focused on addressing unmet medical needs through a diverse spectrum of therapeutic modalities, including gene and cell therapies, microbial bioproduction, and regenerative medicine. Intrexon Bioengineering seeks to address global challenges across food, agriculture, environmental, energy, and industrial fields by advancing biologically engineered solutions to improve sustainability and efficiency. Our integrated technology suite provides industrial-scale design and development of complex biological systems delivering unprecedented control, quality, function, and performance of living cells. We call our synthetic biology approach Better DNA[®], and we invite you to discover more at www.dna.com or follow us on Twitter at [@Intrexon](https://twitter.com/Intrexon), on [Facebook](https://www.facebook.com/Intrexon), and [LinkedIn](https://www.linkedin.com/company/intrexon).

Trademarks

Intrexon, UltraCAR-T, GreenVenus, Friendly, Powering the Bioindustrial Revolution with Better DNA, and Better DNA are trademarks of Intrexon and/or its affiliates. Other names may be trademarks of their respective owners.

Safe Harbor Statement

Some of the statements made in this press release are forward-looking statements that involve a number of risks and uncertainties and are made pursuant to the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements made in this press release include, but are not limited to, statements regarding clinical and pre-clinical development activities by Intrexon and its collaborators, commercial and business development plans and the submission of regulatory filings. These forward-looking statements are based upon Intrexon's current expectations and projections about future events and generally relate to Intrexon's plans, objectives and expectations for the development of Intrexon's business. Although management believes that the plans and objectives reflected in or suggested by these forward-looking statements are reasonable, all forward-looking statements involve risks and uncertainties and actual future results may be materially different from the plans, objectives and expectations expressed in this press release. These risks and uncertainties include, but are not limited to, (i) Intrexon's strategy and overall approach to its business model, its efforts to realign its business, and its ability to exercise more control and ownership over the development process and commercialization path; (ii) Intrexon's ability to successfully enter new markets or develop additional products, including the expected timing and results of investigational studies and preclinical and clinical trials, whether with its collaborators or independently; (iii) Intrexon's ability to successfully enter into optimal strategic relationships with its subsidiaries and operating companies that it may form in the future; (iv) Intrexon's ability to hold or generate significant operating capital, including through partnering, asset sales and operating cost reductions; (v) actual or anticipated variations in Intrexon's operating results; (vi) actual or anticipated fluctuations in Intrexon's competitors' or its collaborators' operating results or changes in their respective growth rates; (vii) Intrexon's cash position; (viii) market conditions in Intrexon's industry; (ix) the volatility of Intrexon's stock price; (x) Intrexon's ability, and the ability of its collaborators, to protect Intrexon's intellectual property and other proprietary rights and technologies; (xi) Intrexon's ability, and the ability of its collaborators, to adapt to changes in laws or regulations and policies; (xii) the outcomes of pending and future litigation; (xiii) the rate and degree of market acceptance of any products developed by Intrexon, its subsidiaries,

collaborations or joint ventures; (xiv) Intrexon's ability to retain and recruit key personnel; (xv) Intrexon's expectations related to the use of proceeds from its public offerings and other financing efforts; (xvi) Intrexon's estimates regarding expenses, future revenue, capital requirements and needs for additional financing; and (xvii) the successful formation of a stand-alone company for our Methane Bioconversion Platform. For a discussion of other risks and uncertainties, and other important factors, any of which could cause Intrexon's actual results to differ from those contained in the forward-looking statements, see the section entitled "Risk Factors" in Intrexon's Annual Report on Form 10-K for the fiscal year ended December 31, 2018 and subsequent reports filed with the Securities and Exchange Commission. All information in this presentation is as of the date of the release, and Intrexon undertakes no duty to update this information unless required by law.

For more information regarding Intrexon Corporation, contact:

Investor Contact:

Steven Harasym
Vice President, Investor Relations
Tel: +1 (301) 556-9850
investors@dna.com

Corporate Contact:

Marie Rossi, PhD
Vice President, Communications
Tel: +1 (301) 556-9850
publicrelations@dna.com

Intrexon Corporation and Subsidiaries
Consolidated Balance Sheets
(Unaudited)

(Amounts in thousands)	June 30, 2019	December 31, 2018
Assets		
Current assets		
Cash and cash equivalents	\$ 58,162	\$ 102,768
Restricted cash	—	6,987
Short-term investments	67,641	119,688
Equity securities	—	384
Receivables		
Trade, net	24,496	21,195
Related parties, net	7,095	4,129
Other, net	2,866	2,754
Inventory	18,192	21,447
Prepaid expenses and other	4,712	6,131
Total current assets	183,164	285,483
Equity securities, noncurrent	21,503	1,798
Property, plant and equipment, net	120,401	128,874
Intangible assets, net	112,526	129,291
Goodwill	149,916	149,585
Investments in affiliates	18,093	18,859
Right-of-use assets	41,558	—
Other assets	8,027	2,287
Total assets	\$ 655,188	\$ 716,177
Current liabilities		
Accounts payable	\$ 8,563	\$ 13,420
Accrued compensation and benefits	9,034	10,687
Other accrued liabilities	11,701	20,620
Deferred revenue	16,593	15,554
Lines of credit	387	466
Current portion of long-term debt	468	559
Current portion of lease liabilities	4,813	—
Related party payables	74	256
Total current liabilities	51,633	61,562
Long-term debt, net of current portion	212,479	211,235
Deferred revenue, net of current portion	66,542	54,210
Lease liabilities, net of current portion	38,757	—
Deferred tax liabilities, net	6,332	7,213
Other long-term liabilities	222	3,235
Total liabilities	375,965	337,455
Commitments and contingencies		
Total equity		
Common stock	—	—
Additional paid-in capital	1,737,449	1,722,012
Accumulated deficit	(1,430,020)	(1,330,545)
Accumulated other comprehensive loss	(28,206)	(28,612)
Total Intrexon shareholders' equity	279,223	362,855
Noncontrolling interests	—	15,867
Total equity	279,223	378,722
Total liabilities and total equity	\$ 655,188	\$ 716,177

Intrexon Corporation and Subsidiaries
Consolidated Statements of Operations
(Unaudited)

(Amounts in thousands, except share and per share data)	Three months ended June 30,		Six months ended June 30,	
	2019	2018	2019	2018
Revenues				
Collaboration and licensing revenues	\$ 9,097	\$ 17,450	\$ 15,067	\$ 37,298
Product revenues	7,819	9,568	12,676	16,720
Service revenues	18,400	17,718	29,783	29,965
Other revenues	670	539	1,795	958
Total revenues	35,986	45,275	59,321	84,941
Operating Expenses				
Cost of products	9,176	10,639	17,466	19,169
Cost of services	8,218	7,895	15,310	14,678
Research and development	34,518	42,049	67,580	79,187
Selling, general and administrative	21,483	34,427	55,077	74,164
Total operating expenses	73,395	95,010	155,433	187,198
Operating loss	(37,409)	(49,735)	(96,112)	(102,257)
Other Expense, Net				
Unrealized and realized appreciation (depreciation) in fair value of equity securities and preferred stock, net	5,632	(19,182)	5,702	(20,278)
Interest expense	(4,358)	(142)	(8,669)	(241)
Interest and dividend income	1,031	5,746	2,395	11,216
Other expense, net	(2,605)	(93)	(2,099)	(881)
Total other expense, net	(300)	(13,671)	(2,671)	(10,184)
Equity in net loss of affiliates	(1,747)	(4,550)	(3,387)	(7,010)
Loss before income taxes	(39,456)	(67,956)	(102,170)	(119,451)
Income tax benefit	525	1,127	1,103	5,213
Net loss	\$ (38,931)	\$ (66,829)	\$ (101,067)	\$ (114,238)
Net loss attributable to the noncontrolling interests	165	1,447	1,592	2,691
Net loss attributable to Intrexon	\$ (38,766)	\$ (65,382)	\$ (99,475)	\$ (111,547)
Net loss attributable to Intrexon per share, basic and diluted	\$ (0.25)	\$ (0.51)	\$ (0.65)	\$ (0.87)
Weighted average shares outstanding, basic and diluted	153,749,929	129,299,584	153,351,208	128,500,897