

# Q1: Quarterly Industry Update

AS OF March 31, 2019



## Inflammation Pharmaceuticals

### INDUSTRY SUMMARY

COGENT VALUATION identified **Inflammation Pharma** publicly traded companies, IPOs, and recent M&A transactions within the Inflammation Pharma industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since March 31, 2018, the median 52-week share price return of the Inflammation Pharma industry was 3.8%. Between March 31, 2018 and March 31, 2019, the median EV/EBITDA multiple decreased from 11.7 to 11.1. Furthermore, the median price-to-earnings multiple decreased from 28.8 to 22.9 over the same period. The median revenue growth and EBITDA margins for the industry for the quarter were -0.2% and -42.2%, respectively.

### Public Company Key Statistics

Median 52-Week  
Return

3.8%

Median 3-Year CAGR  
Return

-2.1%

Median EV/Revenue  
Multiple

4.8x

Median EV/EBITDA  
Multiple

11.1x

Median Price/Earnings  
Multiple

22.9x

Median EV/Gross CF  
Multiple

27.3x

## Comparable Public Company Market Price Returns as of March 31, 2019

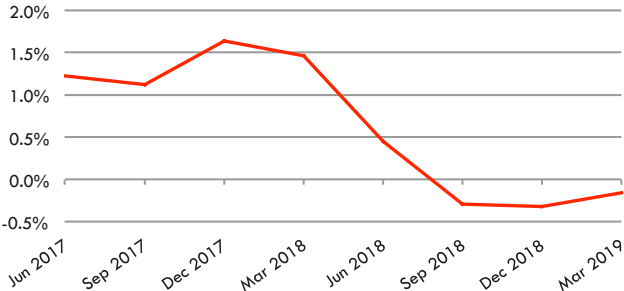
	2019	3 Month	1 Year	2 Year	3 Year	2018	2015	2014
Abbott Laboratories	5.0%	5.0%	34.9%	15.2%	8.7%	48.6%	-0.2%	17.5%
Amgen Inc.	-2.0%	-2.0%	3.9%	16.1%	9.9%	18.9%	1.9%	39.6%
Ampio Pharmaceuticals, Inc.	-16.5%	-16.5%	325.0%	-54.0%	-44.3%	352.1%	2.0%	-51.9%
Aquinox Pharmaceuticals, Inc.	19.7%	19.7%	-15.6%	0.4%	28.7%	-28.8%	66.4%	N/A
Celgene Corporation	-14.5%	-14.5%	-28.3%	16.1%	15.4%	-9.8%	7.1%	32.4%
Concert Pharmaceuticals, Inc.	-11.5%	-11.5%	34.2%	-11.4%	5.4%	151.4%	42.4%	N/A
Gilead Sciences, Inc.	5.2%	5.2%	11.0%	-9.2%	-8.7%	0.0%	7.4%	25.5%
Immunomedics, Inc.	-9.6%	-9.6%	125.8%	185.1%	55.5%	340.3%	-36.0%	4.3%
Ocular Therapeutix, Inc.	46.3%	46.3%	-29.8%	-33.7%	-25.5%	-46.8%	-60.2%	N/A
Omeros Corporation	-42.5%	-42.5%	-26.1%	40.5%	19.3%	95.9%	-36.5%	119.5%
Pfizer Inc.	-2.0%	-2.0%	3.7%	6.6%	6.5%	11.5%	3.6%	1.7%
Portola Pharmaceuticals, Inc.	-32.9%	-32.9%	-16.7%	12.6%	28.8%	116.9%	81.7%	10.0%
<b>Median of Industry Public Companies</b>	<b>-5.8%</b>	<b>-5.8%</b>	<b>3.8%</b>	<b>9.6%</b>	<b>9.3%</b>	<b>33.8%</b>	<b>2.8%</b>	<b>17.5%</b>

Multiple year periods are calculated as the average annual return.

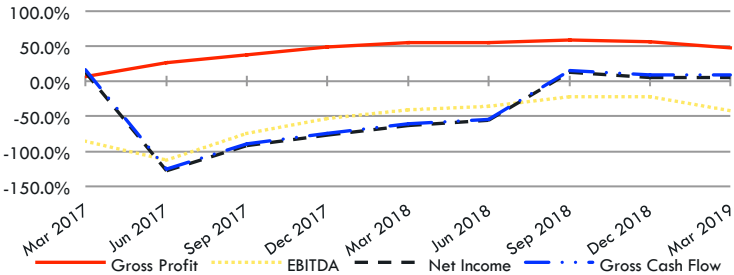
■ Highest Return   
 ■ Lowest Return   
 ■ Median Return

# Industry Revenue Growth and Profit Margins for the Past Two Years

**Median Quarterly Revenue Growth of All Inflammation Pharma Companies**



**Median Gross Profit, EBITDA, Net Income, and Gross Cash Flow Margins**



## Public Company Median Multiples by Quarter

	3/31/19	12/31/18	9/30/18	6/30/18	3/31/18	12/31/17	9/30/17	6/30/17
<b>EV/Revenues Multiple</b>	4.8x	4.9x	4.6x	4.4x	4.4x	4.4x	5.4x	4.8x
<b>EV/EBITDA Multiple</b>	11.1x	11.3x	12.0x	11.8x	11.7x	11.2x	11.5x	11.6x
<b>Price/Earnings Multiple</b>	22.9x	20.2x	21.0x	27.5x	28.8x	27.3x	29.2x	25.4x
<b>EV/Gross Cash Flows Multiple</b>	27.3x	23.9x	19.8x	26.2x	26.6x	25.4x	26.9x	20.1x

■ Highest Multiple   
 ■ Lowest Multiple   
 ■ Median Multiple

## Industry Initial Public Offerings—Inflammation Pharmaceuticals

(dollars in millions, except share prices)

Offer Date	Company Name	Offer Price	Shares Offered	Amount Raised	Total Assets	Debt	LTM Revenues	LTM EBITDA	LTM Net Income	LTM Cash Flows
1/8/19	<b>InflaRx N.V.</b>	\$15.00	4.3	\$75.0	\$62.2	\$13.8	\$0.0	(\$16.2)	(\$4.3)	(\$2.6)
11/26/18	<b>Sienna Biopharmaceuticals, Inc.</b>	\$15.00	6.0	\$60.5	\$64.6	\$0.0	\$0.0	(\$28.1)	(\$3.1)	\$1.4
7/26/17	<b>Sienna Biopharmaceuticals, Inc.</b>	\$15.00	5.0	\$84.0	\$39.8	\$15.5	\$0.0	(\$36.9)	(\$6.1)	(\$1.7)
7/19/17	<b>Kala Pharmaceuticals, Inc.</b>	\$15.00	5.5	\$122.1	\$134.0	\$0.0	\$0.0	(\$2.8)	\$6.4	\$9.2
1/25/17	<b>AnaptysBio, Inc.</b>	\$15.00	6.0	\$6.2	\$3.2	\$4.3	\$16.7	(\$2.8)	(\$13.7)	(\$11.6)
5/25/16	<b>Reata Pharmaceuticals, Inc.</b>	\$11.00	4.3	\$68.2	\$6.9	\$14.0	\$49.7	(\$0.1)	(\$21.9)	(\$20.9)
6/29/17	<b>Median of all IPOs</b>	nm	6.0	\$71.6	\$51.0	\$9.1	\$8.3	(\$9.6)	(\$5.2)	(\$2.1)

## Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/ Revenues
10/1/18	<b>TxCell S.A.</b>	<b>Sangamo Therapeutics, Inc.</b>	\$53.4	98%	\$60.7	33.5x
12/1/17	<b>Cleveland HeartLab, Inc.</b>	<b>Quest Diagnostics Inc.</b>	\$94.0	100%	\$2,322	4.3x
8/3/17	<b>Confluence Life Sciences, Inc.</b>	<b>Aclaris Life Sciences, Inc.</b>	\$109.4	100%	\$135.3	4.1x
6/10/16	<b>Skyepharma PLC</b>	<b>Vectura Group plc</b>	\$615.4	100%	\$16.7	15.3x
7/1/15	<b>Icagen, Inc.</b>	<b>N/A</b>	\$11.0	100%	\$10.1	4.8x
5/1/15	<b>Cellular Dynamics</b>	<b>Fujifilm Medical</b>	\$289.1	100%	\$41.5	0.8x
4/13/15	<b>Innocutis Medical, LLC</b>	<b>Cipher Pharmaceuticals</b>	\$48.5	100%	\$160.3	3.0x
11/18/13	<b>Cisbio Bioassays</b>	<b>Argos Soditic</b>	\$34.0	100%	\$29.7	1.8x
6/5/12	<b>ISTA Pharmaceuticals, Inc.</b>	<b>Bausch &amp; Lomb</b>	\$551.5	100%	\$89.1	1.3x
8/31/09	<b>Idaman Pharma</b>	<b>Pharmaniaga Bhd</b>	\$53.4	98%	\$60.7	33.5x
4/29/09	<b>Cleveland HeartLab, Inc.</b>	<b>Medivir AB</b>	\$28.6	100%	\$12.0	2.4x
12/15/08	<b>Amgen Inc.</b>	<b>Biovitrum AB</b>	\$150.3	100%	\$70.0	2.1x

■ USA
 ■ International

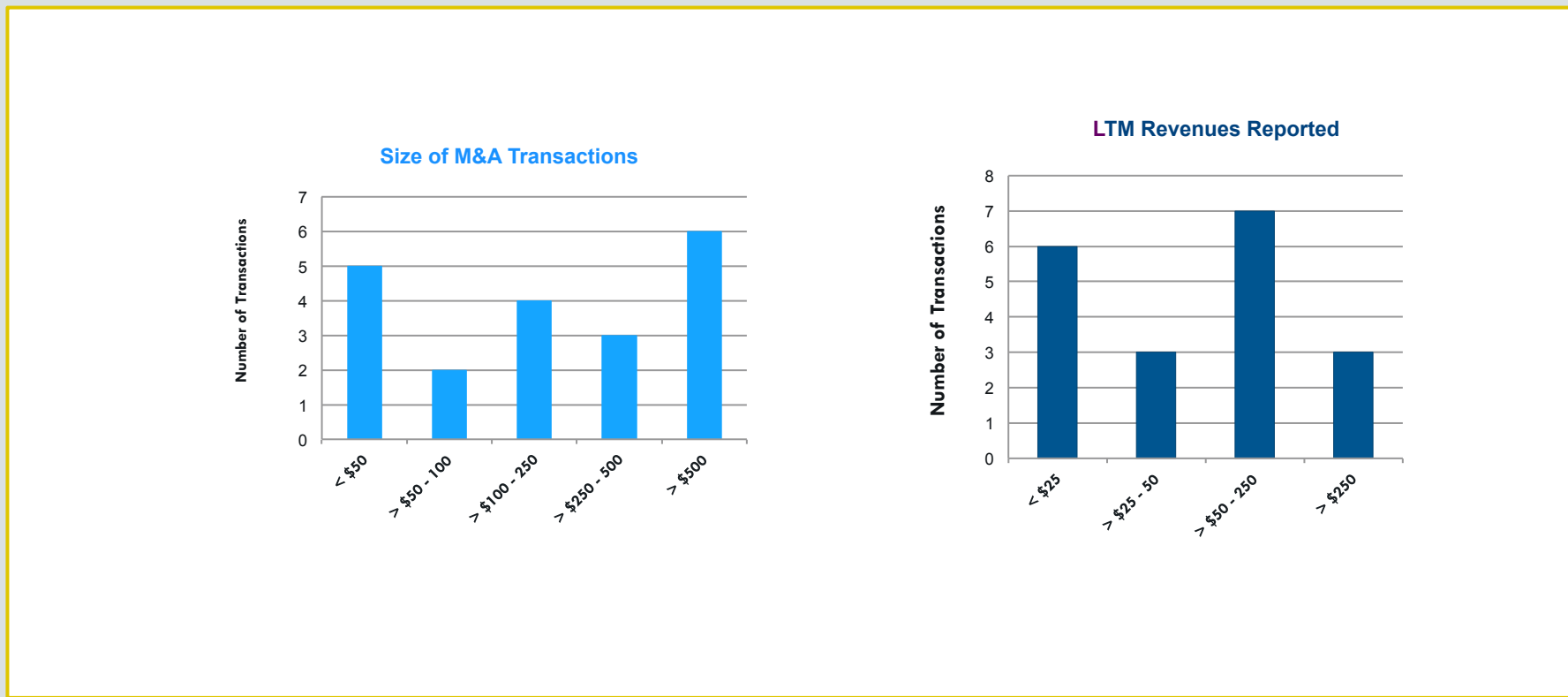
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## Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

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Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/ Revenues
8/3/17	Confluence Life Sciences, Inc.	Shire Limited	\$396.0	84%	\$14.2	31.3x
7/29/16	Meda AB	MBK Partners	\$239.1	77%	\$75.9	3.7x
6/10/16	Skyepharma PLC	Genstar Capital, LLC	\$700.8	87%	\$381.9	2.0x
7/1/15	Icagen, Inc.	Genentech, Inc.	\$921.7	100%	\$60.9	12.4x
5/1/15	Cellular Dynamics	Bioprogess plc	\$456.5	100%	\$18.9	24.2x
4/13/15	Innocutis Medical, LLC	Actavis Group ehf.	\$30.8	51%	\$19.1	3.2x
11/18/13	Cisbio Bioassays	Abbott Laboratories	\$4,190.9	100%	\$849.3	4.3x
11/24/06	ISTA Pharmaceuticals, Inc.	Recordati SpA	\$57.4	100%	\$49.7	1.2x
	Median of the 20 M&A Transaction Targets		\$264.1	100%	\$46.4	3.7x

## Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions) as of March 31, 2019





**Definitions of Financial Terms Used in this Quarterly Industry Update:**

**Enterprise Value (EV):** Market Value of Equity + Market Value of Debt —Cash

**Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA):** Referred to as operating profit or operating earnings.

**Gross Cash Flows:** Net Income + Depreciation and Amortization Expense

**Latest Twelve Months (LTM):** Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

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