## 2019 CDER Fast Track Calendar Year Approvals\*

Data as of 12/31/2019 Total of 29 Approvals

|               | Submission |                  |                       |                                |               |  |
|---------------|------------|------------------|-----------------------|--------------------------------|---------------|--|
| Appl Type     | Type and   |                  |                       |                                | Approval      |  |
| Number        | Number     | Proprietary Name | Established Name      | Applicant                      | Date          | Use  |
|               |            |                  |                       |                                |               | Treatment of adult patients with acquired  |
| 51.4          |            |                  |                       |                                |               | thrombotic thrombocytopenic purpura  |
| BLA           | 0010 4     | 0.4.51.11.41     | 0.4.01.4.01.71.14.4.0 | A DL MAIN/ AIN/                | 00 5.1 0040   | (aTTP) in combination with plasma  |
| 761112<br>NDA | ORIG - 1   | CABLIVI          | CAPLACIZUMAB          | ABLYNX NV<br>NOVARTIS          | 06-Feb-2019   | exchange and immunosuppressive   |
| 208711        | ORIG - 1   | EGATEN           | TRICLABENDAZOLE       | PHARMACEUTICALS CORP           | 13-Feb-2019   | Treatment of fascioliasis in patients 6 years of age and older                   |
| 200711        | 01110 1    | LOMEN            | TRIOLABENDAZOLE       | T TIVITAL COLOTTO ALCO COLA    | 10 1 00 2010  | Treatment of septicemia, infective   |
| NDA           |            |                  |                       | XELLIA PHARMACEUTICALS         |               | endocarditis, skin and skin structure  |
| 211962        | ORIG - 1   | VANCOMYCIN       | VANCOMYOCIN           | APS                            | 15-Feb-2019   | infections, bone infections, and lower   |
| NDA           |            |                  |                       | IANICOENI                      |               | Treatment of treatment-resistant major   |
| NDA<br>211243 | ORIG - 1   | SPRAVATO         | ESKETAMINE            | JANSSEN<br>PHARMACEUTICALS INC | 05-Mar-2019   | depression   |
| 211243        | ORIG - I   | SPRAVATO         | ESKETAMINE            | PHARIMACEUTICALS INC           | 05-IVIAI-2019 | To meet the nutritional requirements of  |
|               |            |                  |                       |                                |               | newborn infants requiring total parenteral                                       |
|               |            |                  |                       |                                |               | nutrition (TPN); and of adult and pediatric                                      |
|               |            |                  |                       |                                |               | patients with severe liver disease who may                                       |
| NDA           |            |                  | L-CYSTEINE            | EXELA PHARMA SCIENCES          |               | have impaired enzymatic processes and  |
| 210660        | ORIG - 1   | ELCYS            | HYDROCHLORIDE         | LLC                            | 16-Apr-2019   | require TPN  |
|               |            |                  |                       |                                |               | Treatment of adult and pediatric patients  |
|               |            |                  |                       |                                |               | as a source of selenium for parental nutrition when oral or enteral nutrition is |
| NDA           |            |                  |                       |                                |               | not  |
| 209379        | ORIG - 1   | SELENIOUS ACID   | SELENIOUS ACID        | AMERICAN REGENT INC            | 30-Apr-2019   | possible, insufficient, or contraindicated                                       |
|               |            |                  |                       |                                | •             | Treatment of the cardiomyopathy of   |
|               |            |                  |                       |                                |               | wild type or hereditary transthyretin-   |
|               |            |                  |                       | FOLDRX                         |               | mediated amyloidosis in adults to reduce   |
| NDA           | ODIC 4     | VANDAGUEL        | TAFAMIDIS             | PHARMACEUTICALS INC            | 00 M= 0040    | cardiovascular mortality and   |
| 211996        | ORIG - 1   | VYNDAQUEL        | MEGLUMINE             | SUB PFIZER INC                 | 03-May-2019   | cardiovascular-related hospitalization   |
| NDA           |            |                  | AMIFAMPRIDINE (3,4-   | JACOBUS                        |               | Treatment of Lambert-Eaton myasthenic syndrome (LEMS) in patients 6 to less      |
| 209321        | ORIG - 1   | RUZURGI          | DIAMINOPYRIDINE)      | PHARMACEUTICAL CO INC          | 06-May-2019   | than 17 years of age   |

|               |           |            |                               |   |              | Acute treatment of intermittent, stereotypic                         |
|---------------|-----------|------------|-------------------------------|---|--------------|--|
| NDA           |           |            | MIDAZOLAM                     |   |              | episodes of frequent seizure activity (i.e.,                         |
| 211321        | ORIG - 1  | NAYZILAM   | HYDROCHLORIDE                 | UCB INC                                 | 20-May-2019  | COIZAIC CIACIOIC, ACAIC IODOLILIVO COIZAICO,                         |
| NDA           |           |            | 055501 07415 415              | QUIDIOT                                 |              | Treatment of Hospital-Acquired Bacterial                             |
| NDA           | CLIDDI O  | 7EDD 4 V 4 | CEFTOLOZANE AND               | CUBIST                                  | 00 1 0040    | Pneumonia and Ventilator-Associated                                  |
| 206829        | SUPPL - 8 | ZERBAXA    | TAZOBACTAM                    | PHARMACEUTICALS LLC                     | 03-Jun-2019  | Bacterial Pneumonia (HABP/VABP)                                      |
| BLA<br>761063 | SUPPL - 3 | EMGALITY   | GALCANEZUMAB                  | ELI LILLY AND COMPANY                   | 04-Jun-2019  | Treatment of episodic cluster headache in                            |
| 701003        | 30FFL-3   | LIVIGALITI | GALCANLZUWAD                  | LLI LILLI AND COMPANT                   | 04-3411-2019 | adults Treatment of patients with non-metastatic                     |
| NDA           |           |            |                               | BAYER HEALTHCARE                        |              | castration resistant prostate cancer                                 |
| 212099        | ORIG - 1  | NUBEQA     | DAROLUTAMIDE                  | PHARMACEUTICALS INC                     | 30-Jul-2019  | (nmCRPC)   |
| 2.2000        | 01110     | HODEQA     | B7 (( ( 0 2 0 1 7 ( ( ) ) ) ) | 1 1 11 11 11 11 11 11 11 11 11 11 11 11 | 00 001 2010  | In combination with dexamethasone for                                |
|               |           |            |                               |   |              | the treatment of adult patients with                                 |
|               |           |            |                               |   |              | relapsed or refractory multiple myeloma                              |
|               |           |            |                               |   |              | (RRMM) who have received at least four                               |
|               |           |            |                               |   |              | prior therapies and whose disease is                                 |
|               |           |            |                               |   |              | refractory to at least two proteasome                                |
|               |           |            |                               |   |              | inhibitors, at least two immunomodulatory                            |
| NDA           |           |            |                               | KARYOPHARM                              |              | agents, and an anti-CD38 monoclonal                                  |
| 212306        | ORIG - 1  | XPOVIO     | SELINEXOR                     | THERAPEUTICS INC                        | 03-Jul-2019  | antibody   |
|               |           |            |                               |   |              | Treatment of patients 18 years of age and                            |
|               |           |            |                               |   |              | older who have limited or no alternative                             |
|               |           |            |                               |   |              | treatment options for the treatment of the                           |
|               |           |            |                               |   |              | following infections caused by certain                               |
|               |           |            |                               |   |              | susceptible gram-negative bacteria:1)                                |
|               |           |            |                               | MEDOK OLIADO AND                        |              | Complicated Urinary Tract Infections                                 |
| NIDA          |           |            |                               | MERCK SHARP AND                         |              | (cUTI), including pyelonephritis                                     |
| NDA           | ODIO 4    | DECARRIO   | IMIPENEM/CILASTATI            | DOHME CORP A SUB OF                     | 40 1.1 0040  | 2)Complicated Intra-abdominal Infections                             |
| 212819        | ORIG - 1  | RECARBRIO  | N/RELEBACTAM                  | MERCK AND CO INC                        | 16-Jul-2019  | (CIAI)   |
|               |           |            |                               |   |              | Treatment of excessive daytime sleepiness in adult withpatients with |
| NDA           |           |            |                               | HARMONY BIOSCIENCES                     |              | narcolepsy   |
| 211150        | ORIG - 1  | WAKIX      | PITOLISANT                    | LLC                                     | 14-Aug-2019  | Παιουιερού   |
| 211100        | 31(10 1   | **/ (( ()) | 1110210/1111                  |   | , lag 2010   | As part of a combination regimen with                                |
|               |           |            |                               |   |              | bedaquiline and linezolid, for the treatment                         |
|               |           |            |                               |   |              | of adults with pulmonary extensively drug                            |
|               |           |            |                               |   |              | resistant (XDR),or treatment-intolerant or                           |
| NDA           |           |            |                               |   |              | nonresponsive multidrug-resistant (MDR)                              |
| 212862        | ORIG - 1  |            | PRETOMANID                    | MYLAN IRELAND LTD                       | 14-Aug-2019  | tuberculosis   |

|        |            |                 |                             |   |             | Treatment of adults with Community-<br>Acquired Bacterial Pneumonia (CABP)            |
|--------|------------|-----------------|-----------------------------|---|-------------|---|
| NDA    |            |                 |                             | NABRIVA THERAPEUTICS                                |             | caused by designated susceptible  |
| 211672 | ORIG - 1   | XENLETA Tablets | LEFAMULIN                   | IRELAND DAC   | 19-Aug-2019 | microorganisms  |
|        |            |                 |                             | -   |             | Treatment of adults with Community-   |
|        |            |                 |                             |   |             | Acquired Bacterial Pneumonia (CABP)   |
| NDA    |            |                 |                             | NABRIVA THERAPEUTICS                                |             | caused by designated susceptible  |
| 211673 | ORIG - 1   | XENLETA IV      | LEFAMULIN                   | IRELAND DAC   | 19-Aug-2019 | microorganisms  |
|        |            |                 |                             |   |             | Treatment of X-linked hypophosphatemia  |
| BLA    |            | 0.57.407.41.4   | DUD 0 0 1 1 4 4 D T 1 4 7 A | 10/01/14 1/15 11 11 11 11 11 11 11 11 11 11 11 11 1 |             | (XLH) in adult and pediatric patients 6   |
| 761068 | SUPPL - 4  | CRYSVITA        | BUROSUMAB-TWZA              | KYOWA KIRIN, INC.                                   | 27-Sep-2019 | months of age and older   |
|        |            |                 |                             |   |             | To increase pain-free light exposure in   |
| NDA    |            |                 |                             |   |             | adult patients with a history of phototoxic   |
| 210797 | ORIG - 1   | SCENESSE        | AFAMELANOTIDE               | CLINUVEL INC  | 08-Oct-2019 | reactions from erythropoietic protoporphyria (EPP)                                    |
| 210707 | 01110 1    | COLITECOL       | 711 71111227111011102       | 02.110 122 1110                                     | 00 001 2010 | Prophylaxis of venous thromboembolism   |
|        |            |                 |                             |   |             | in acutely ill medical patients at risk for   |
| NDA    |            |                 |                             | JANSSEN   |             | thromboembolic complications not at high  |
| 022406 | SUPPL - 33 | XARELTO         | RIVAROXABAN                 | PHARMACEUTICALS INC                                 | 11-Oct-2019 | risk of bleeding  |
|        |            |                 |                             |   |             | Treatment of cystic fibrosis in patients 12   |
| NDA    |            |                 | ELEXACAFTOR/TEZA            | VERTEX  |             | years and older who have at least one   |
| 212273 | ORIG - 1   | TRIKAFTA        | CAFTOR/IVACAFTOR            | PHARMACEUTICALS INC                                 | 21-Oct-2019 | F508del mutation in the CFTR gene   |
|        |            |                 | OMEPRAZOLE                  |   |             | Treatment of Helicobacter pylori infection  |
|        |            |                 | MAGNESIUM,                  |   |             | in adults   |
| NDA    | ODIO 4     | TAL 1014        | AMOXICILLIN,                |   | 44/4/0040   |   |
| 213004 | ORIG - 1   | TALICIA         | RIFABUTIN                   | REDHILL BIOPHARMA LTD                               | 11/1/2019   | Transfer and of an auxilia in a dult  |
|        |            |                 |                             |   |             | Treatment of anemia in adult  |
| BLA    |            |                 | LUSPATERCEPT-               |   |             | patients with beta thalassemia who require regular red blood cell (RBC) transfusions. |
| 761136 | ORIG - 1   | REBLOZYL        | AAMT                        | CELGENE CORPORATION                                 | 08-Nov-2019 | regular red blood cell (NDC) transidisions.   |

|        |          |            |                 |                      |             | Treatment of patients 18 years of age or older who have limited or no alternative treatment options for the treatment of complicated urinary tract infections (cUTIs),including pyelonephritis caused by the following susceptible Gram-negative microorganisms: Escherichia coli, |
|--------|----------|------------|-----------------|----------------------|-------------|--|
| NDA    |          |            |                 |                      |             | Klebsiella pneumoniae, Proteus mirabilis,  |
| 209445 | ORIG - 1 | FETROJA    | CEFIDEROCOL     | SHIONOGI INC         | 14-Nov-2019 | Pseudomonas aeruginosa, and Enterobacter cloacae complex   |
| 200110 | 01110    | 121100/1   | 021102110002    | 0.110110011110       | 111101 2010 | Treatment of sickle cell disease in adults   |
| NDA    |          |            |                 | GLOBAL BLOOD         |             | and pediatric patients 12 years of age and   |
| 213137 | ORIG - 1 | OXBRYTA    | VOXELOTOR       | THERAPEUTICS INC     | 25-Nov-2019 | older  |
|        |          |            |                 |                      |             | Treatment of Duchenne muscular   |
|        |          |            |                 |                      |             | dystrophy (DMD) in patients who have a   |
| NDA    |          |            |                 | SAREPTA THERAPEUTICS |             | confirmed mutation of the DMD gene that is   |
| 211970 | ORIG - 1 | VYONDYS 53 | GOLODIRSEN      | INC                  | 12-Dec-2019 | amenable to exon 53 skipping   |
|        |          |            |                 |                      |             | Treatment of adult patients  |
|        |          |            |                 |                      |             | with unresectable or metastatic HER2-  |
|        |          |            |                 |                      |             | positive breast cancer who have received   |
| BLA    | 0.510    |            | FAM-TRASTUZUMAB | 5.44644 6.444646     |             | two or more prior anti-HER2-based  |
| 761139 | ORIG - 1 | ENHERTU    | DERUXTECAN-NXKI |                      | 20-Dec-2019 | regimens in the metastatic setting   |
| NDA    | 0010 4   | OADLYTA    | LUMATERERO      | INTRA-CELLULAR       | 00 D 0040   | Treatment of Schizophrenia   |
| 209500 | ORIG - 1 | CAPLYTA    | LUMATEPERONE    | THERAPIES INC        | 20-Dec-2019 |  |

<sup>\*</sup> NOTE: Approvals with Fast Track granted because the drug was qualified as a PEPFAR drug are excluded