

Promedior: BMS notified Promedior that the Company would not be exercising a warrant obtained in 2015 to purchase all outstanding shares of Promedior.

Rigel: BMS notified Rigel Pharmaceuticals, Inc., that the Company would discontinue its participation in the preclinical collaboration of cancer immunotherapies based on Rigel's small molecule TGF beta receptor kinase inhibitors originally commenced in 2015.

Bavarian Nordic: BMS notified Bavarian Nordic A/S that the Company will not be exercising its option to globally license and commercialize *Prostvac\**, Bavarian Nordic's investigational PSA-targeting cancer immunotherapy.

### **2017 Arrangements**

Ono: BMS acquired an exclusive license to develop and commercialize ONO-4578, Ono's Prostaglandin E2 receptor 4 antagonist for the treatment of cancer. BMS acquired worldwide rights except in Japan, South Korea, and Taiwan where it was added to the existing collaboration and in China and ASEAN countries where Ono retained exclusive rights.

Halozyne: BMS and Halozyne entered into a global collaboration and license agreement to develop subcutaneously administered BMS IO medicines using Halozyne's *ENHANZE\** drug-delivery technology which may allow for more rapid delivery of large volume injectable medications.

IFM: BMS acquired all of the outstanding shares of IFM providing BMS with full rights to IFM's preclinical STING and NLRP3 agonist programs focused on enhancing the innate immune response for treating cancer.

Biogen: BMS out-licensed to Biogen exclusive rights to develop and commercialize BMS-986168, an anti-eTau compound in development for Progressive Supranuclear Palsy.

Roche: BMS out-licensed to Roche exclusive rights to develop and commercialize BMS-986089, an anti-myostatin adnectin in development for Duchenne Muscular Dystrophy.

CytomX: BMS and CytomX expanded their initial 2014 strategic collaboration to discover novel cancer treatment therapies that will include up to eight additional targets using CytomX's proprietary Probody platform for the treatment of cancer.

### **2016 Arrangements**

PsiOxus: BMS acquired exclusive worldwide rights to PsiOxus's NG-348, a pre-clinical stage, "armed" oncolytic virus with the goal of addressing solid tumors.

Padlock: BMS acquired all of the outstanding shares of Padlock providing BMS with full rights to Padlock's PAD inhibitor discovery program focused on the development of treatment approaches for patients with RA.

Cormorant: BMS acquired all of the outstanding shares of Cormorant providing BMS with full rights to Cormorant's lead candidate HuMax-IL8, a monoclonal antibody that represents a potentially complementary IO mechanism of action to T-cell directed antibodies and co-stimulatory molecules.

Nitto Denko: BMS acquired an exclusive worldwide license to develop and commercialize Nitto Denko's investigational siRNA molecules targeting heat shock protein 47 (HSP47) in vitamin A containing formulations including Nitto Denko's lead asset ND-L02-s0201, currently in development for the treatment of advanced liver fibrosis, and the option to receive exclusive licenses for HSP47 siRNAs in vitamin A containing formulations for the treatment of lung and other organ fibrosis.