

New York, May 12, 2020

MSCI US Equity Indexes

The following are changes in constituents for the MSCI US Equity Indexes which will take place as of the close of May 29, 2020.

SUMMARY OF THE CHANGES INCLUDED IN THIS ANNOUNCEMENT:

| Index                                | Nb of Securities Added | Nb of Securities Deleted |
|--------------------------------------|------------------------|--------------------------|
| MSCI US PRIME MARKET 750 INDEX       | 29                     | 25                       |
| MSCI US SMALL CAP 1750 INDEX         | 97                     | 45                       |
| MSCI US INVESTABLE MARKET 2500 INDEX | 84                     | 28                       |
| MSCI US MICRO CAP INDEX              | 15                     | 21                       |

MSCI US PRIME MARKET 750 INDEX

Additions

UBER TECHNOLOGIES  
NXP SEMICONDUCTORS (US)  
CROWDSTRIKE HLDGS A  
SLACK TECHNOLOGIES A  
DATADOG A  
MODERNA  
TELADOC HEALTH  
MASIMO  
CLOUDFLARE A  
MONOLITHIC POWER SYSTEMS  
CYRUSONE  
10X GENOMICS A  
ACADIA PHARMACEUTICALS  
CARLYLE GROUP  
ETSY  
ZYNKA A  
DYNATRACE  
ROYAL GOLD  
NOVOCURE  
MELLANOX TECH  
CIENA CORP  
CHARLES RIVER LABS INTL  
AMERICOLD REALTY  
CHEMED CORP  
ENTEGRIS  
AVALARA  
PENUMBRA  
REALPAGE  
SONOCO PRODUCTS CO

Deletions

MANPOWERGROUP  
MARRIOTT VACATIONS WORLD  
WYNDHAM HOTELS & RESORTS  
JANUS HENDERSON  
HOWARD HUGHES CORP (THE)  
BANK OZK  
JETBLUE AIRWAYS CORP  
ANTERO MIDSTREAM CORP  
BRIGHHOUSE FINANCIAL  
HELMERICH & PAYNE  
SPIRIT AEROSYSTEMS A  
CIMAREX ENERGY CO  
PACWEST BANCORP  
TARGA RESOURCES CORP  
PARK HOTELS & RESORTS  
CIT GROUP  
SAGE THERAPEUTICS  
CAPRI HOLDINGS  
ALLIANCE DATA SYSTEMS  
MACY'S  
GOODYEAR TIRE & RUBBER  
SABRE  
PLAINS GP HOLDINGS A  
MACERICH CO  
UBIQUITI

MSCI US SMALL CAP 1750 INDEX

Additions

MANPOWERGROUP  
ADAPTIVE BIOTECHNOLOGIES  
LIVONGO HEALTH  
VIRGIN GALACTIC HLDGS  
BILL.COM HOLDINGS  
MARRIOTT VACATIONS WORLD  
WYNDHAM HOTELS & RESORTS  
MEDALLIA  
JANUS HENDERSON  
FASTLY A  
HOWARD HUGHES CORP (THE)  
BANK OZK  
JETBLUE AIRWAYS CORP  
ANTERO MIDSTREAM CORP  
BRIGHHOUSE FINANCIAL  
HELMERICH & PAYNE  
SPIRIT AEROSYSTEMS A  
CIMAREX ENERGY CO  
PACWEST BANCORP

Deletions

TELADOC HEALTH  
MASIMO  
MONOLITHIC POWER SYSTEMS  
CYRUSONE  
ACADIA PHARMACEUTICALS  
ETSY  
ZYNKA A  
ROYAL GOLD  
NOVOCURE  
MELLANOX TECH  
CIENA CORP  
CHARLES RIVER LABS INTL  
AMERICOLD REALTY  
CHEMED CORP  
ENTEGRIS  
PENUMBRA  
REALPAGE  
SONOCO PRODUCTS CO  
RUSH ENTERPRISES B

ALECTOR  
PING IDENTITY HOLDING  
TARGA RESOURCES CORP  
PROGYNY  
PARK HOTELS & RESORTS  
IGM BIOSCIENCES  
CIT GROUP  
SAGE THERAPEUTICS  
ZYMEWORKS (US)  
CAPRI HOLDINGS  
ALLIANCE DATA SYSTEMS  
MACY'S  
GOODYEAR TIRE & RUBBER  
SABRE  
CONSTELLATION PHARMA  
PLAINS GP HOLDINGS A  
CORTEXIME  
SPRINGWORKS THERAPEUTICS  
NOVAVAX  
INSEEGO CORP  
NANOSTRING TECHNOLOGIES  
OVINTIV(US)  
ADVERUM BIOTECHNOLOG  
BROADMARK REALTY CAPITAL  
HEALTH CATALYST  
MACERICH CO  
SUNNOVA ENERGY INTL  
PHATHOM PHARMACEUTICALS  
PHREESIA  
MOLECULAR TEMPLATES  
APPLIED THERAPEUTICS  
SPROUT SOCIAL A  
APREA THERAPEUTICS  
CERENCE  
ACCEL ENTERTAINMENT A1  
BELLRING BRANDS A  
REPAY HOLDINGS A  
ACM RESEARCH A  
VERASTEM  
ARDELYX  
CUE BIOPHARMA  
BIOXCEL THERAPEUTICS  
PROVENTION BIO  
CASTLE BIOSCIENCES  
DORIAN LPG  
RELMADA THERAPEUTICS  
SMILEDIRECTCLUB A  
KORU MEDICAL SYSTEMS  
GREAT LAKES DREDGE DOCK  
CATASYS  
FREQUENCY THERAPEUTICS  
XENON PHARMACEUTICALS  
CROSSFIRST BANKSHARES  
ZYNEX  
ORION ENGINEERED CARBONS  
ATHERSYS  
IHEARTMEDIA A  
ATRECA A  
RAPT THERAPEUTICS  
LUXFER HOLDINGS (US)  
AGILYSYS  
VAPOTHERM  
MERUS BV (US)  
BIOSPECIFICS TECH  
MIRUM PHARMACEUTICALS  
ARCTURUS THERAPEUTIC(US)  
CO DIAGNOSTIC  
ADESTO TECHNOLOGIES  
ROSETTA STONE  
NANTKWEST  
FULGENT GENETICS  
HARPOON THERAPEUTICS  
UFP TECHNOLOGIES  
SATSUMA PHARMACEUTICALS  
OXFORD IMMUNOTEC GLOBAL

BIGLARI HOLDINGS A  
CULP  
NEURONETICS  
HIGHPOINT RESOURCES CORP  
PARTY CITY HOLDCO  
ARMSTRONG FLOORING  
TETRA TECHNOLOGIES  
EXELA TECHNOLOGIES  
NINE ENERGY SERVICE  
FTS INTERNATIONAL  
FORUM ENERGY TECH INC  
KLX ENERGY SERVICES  
UNIT CORP  
CRAWFORD & CO A  
CRAWFORD & CO B  
DONEGAL GROUP A  
FBL FINANCIAL GROUP A  
FRP HOLDINGS INC  
GENERAL FINANCE CORP  
GLOBALSTAR  
IES HOLDINGS  
LUTHER BURBANK  
OMEGA FLEX  
REPUBLIC BANCORP A (KY)  
STATE AUTO FINANCIAL  
STERLING BANCORP (XNCM)

CAMBRIDGE BANCORP  
CIVISTA BANCSHARES INC  
LIMONEIRA CO

MSCI US INVESTABLE MARKET 2500 INDEX

Additions

UBER TECHNOLOGIES  
NXP SEMICONDUCTORS (US)  
CROWDSTRIKE HLDGS A  
SLACK TECHNOLOGIES A  
DATADOG A  
MODERNA  
CLOUDFLARE A  
10X GENOMICS A  
CARLYLE GROUP  
DYNATRACE  
AVALARA  
ADAPTIVE BIOTECHNOLOGIES  
LIVONGO HEALTH  
VIRGIN GALACTIC HLDGS  
BILL.COM HOLDINGS  
MEDALLIA  
FASTLY A  
ALECTOR  
PING IDENTITY HOLDING  
PROGYNY  
IGM BIOSCIENCES  
ZYMEWORKS (US)  
CONSTELLATION PHARMA  
CORTEXIME  
SPRINGWORKS THERAPEUTICS  
NOVAVAX  
INSEGO CORP  
NANOSTRING TECHNOLOGIES  
OVINTIV(US)  
ADVERUM BIOTECHNOLOG  
BROADMARK REALTY CAPITAL  
HEALTH CATALYST  
SUNNOVA ENERGY INTL  
PHATHOM PHARMACEUTICALS  
PHREESIA  
MOLECULAR TEMPLATES  
APPLIED THERAPEUTICS  
SPROUT SOCIAL A  
APREA THERAPEUTICS  
CERENCE  
ACCEL ENTERTAINMENT A1  
BELLRING BRANDS A  
REPAY HOLDINGS A  
ACM RESEARCH A  
VERASTEM  
ARDELYX  
CUE BIOPHARMA  
BIOXCEL THERAPEUTICS  
PROVENTION BIO  
CASTLE BIOSCIENCES  
DORIAN LPG  
RELMADA THERAPEUTICS  
SMILEDIRECTCLUB A  
KORU MEDICAL SYSTEMS  
GREAT LAKES DREDGE DOCK  
CATASYS  
FREQUENCY THERAPEUTICS  
XENON PHARMACEUTICALS  
CROSSFIRST BANKSHARES  
ZYNEX  
ORION ENGINEERED CARBONS  
ATHERSYS  
IHEARTMEDIA A  
ATRECA A  
RAPT THERAPEUTICS  
LUXFER HOLDINGS (US)  
AGILYSYS  
VAPOTHERM

Deletions

RUSH ENTERPRISES B  
BIGLARI HOLDINGS A  
CULP  
NEURONETICS  
HIGHPOINT RESOURCES CORP  
PARTY CITY HOLDCO  
ARMSTRONG FLOORING  
TETRA TECHNOLOGIES  
EXELA TECHNOLOGIES  
NINE ENERGY SERVICE  
FTS INTERNATIONAL  
FORUM ENERGY TECH INC  
KLX ENERGY SERVICES  
UNIT CORP  
CRAWFORD & CO A  
CRAWFORD & CO B  
DONEGAL GROUP A  
FBL FINANCIAL GROUP A  
FRP HOLDINGS INC  
GENERAL FINANCE CORP  
GLOBALSTAR  
IES HOLDINGS  
LUTHER BURBANK  
OMEGA FLEX  
REPUBLIC BANCORP A (KY)  
STATE AUTO FINANCIAL  
STERLING BANCORP (XNCM)  
UBIQUITI

MERUS BV (US)  
BIOSPECIFICS TECH  
MIRUM PHARMACEUTICALS  
ARCTURUS THERAPEUTIC(US)  
CO DIAGNOSTIC  
ADESTO TECHNOLOGIES  
ROSETTA STONE  
NANTKWEST  
FULGENT GENETICS  
HARPOON THERAPEUTICS  
UFP TECHNOLOGIES  
SATSUMA PHARMACEUTICALS  
OXFORD IMMUNOTEC GLOBAL  
CAMBRIDGE BANCORP  
CIVISTA BANCSHARES INC  
LIMONEIRA CO

MSCI US MICRO CAP INDEX  
Additions  
SENECA FOODS CORP B  
CULP  
NEURONETICS  
HIGHPOINT RESOURCES CORP  
PARTY CITY HOLDCO  
ARMSTRONG FLOORING  
TETRA TECHNOLOGIES  
EXELA TECHNOLOGIES  
NINE ENERGY SERVICE  
FTS INTERNATIONAL  
FORUM ENERGY TECH INC  
KLX ENERGY SERVICES  
UNIT CORP  
GENERAL FINANCE CORP  
STERLING BANCORP (XNCM)

Deletions  
NOVAVAX  
INSEEGO CORP  
NANOSTRING TECHNOLOGIES  
ADVERUM BIOTECHNOLOG  
MOLECULAR TEMPLATES  
VERASTEM  
ARDELYX  
GREAT LAKES DREDGE DOCK  
AGILYSYS  
BIOSPECIFICS TECH  
ROSETTA STONE  
OXFORD IMMUNOTEC GLOBAL  
CAMBRIDGE BANCORP  
CIVISTA BANCSHARES INC  
LIMONEIRA CO  
REGULUS THERAPEUTICS  
TETRAPHASE PHARMA  
GLOBAL EAGLE ENTMT  
MARIN SOFTWARE  
ICONIX BRAND GROUP  
FRANCESCAS HOLDINGS CORP

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