GENETICS CENTER
211 South Main Street, Orange, CA 92868

PHONE: 714-288-3500
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www.geneticscenter.com
Final ☐

SUBMIT

Highlighted fields are required

MOLECULAR GENETICS REQUISITION

PID

PATIENT INFORMATION

Patient Name: (Last, First)_____
Date of Birth: MM_____/DD_____/YY_____
Gender: ☐Male ☐Female ☐Unknown
Ethnic Background (Select all that apply):

☐ African American ☐ Hispanic
☐ Asian ☐ Native American Indian
☐ Ashkenazi Jewish ☐ Other Jewish
☐ European Caucasian ☐ Other (please specify):_____

REFERRING PHYSICIAN

Physician: _____
Phone: _____
Fax:_____
Email: _____

ADDITIONAL REPORT RECIPIENTS

Physician: _____
Phone:_____
Fax:_____
Email: _____

SAMPLE INFORMATION

Date of Collection: MM_____/DD_____/YY_____
Hospital: _____
Accession #: _____
Sample Type: (Please select one)

☐ Blood ☐ Bone Marrow ☐ Other:_____
☐ Cord Blood ☐ Amniotic Fluid
☐ Tissue (specify source): _____
☐ DNA (specify source): _____
(DNA concentration): _____ ug/ul
☐ Tumor section:_____

INDICATION FOR STUDY

☐ Autism spectrum disorder ☐ Cognitive impairment
☐ Developmental delay ☐ Dysmorphic features
☐ Failure to thrive ☐ Short stature
☐ Family history of cognitive impairment
☐ Suspected thrombophilia
☐ Carrier screening for _____
☐ Congenital malformation (specify) _____
☐ Other _____

TARGETED ANALYSIS

(please provide proband's test results)

Gene Name:_____ Mutation: _____
Name of Proband:_____ GC Lab #:_____

☐ **Alport Syndrome** *(COL4A3, COL4A4, COL4A5)*
☐ **Angelman Syndrome Methylation Analysis**
☐ **Angelman Syndrome Methylation w/ reflex to FISH for 15q11 microdeletion**

Array CGH (Microarray):

- ☐ 180K Oligonucleotide/SNP Array
- ☐ 60K Oligonucleotide/SNP Array
- ☐ Prenatal Targeted Oligo/SNP Array
- ☐ Targeted Parental Array (please include child's results)
- ☐ Chromosome Analysis with reflex to Array CGH

☐ **Ataxia Telangiectasia** *(ATM)*
☐ **Autosomal Dominant Polycystic Kidney Disease** *(PKD1, PKD2)*
☐ **Bannayan-Riley-Ruvalcaba Syndrome** *(PTEN)*
☐ **Birt-Hogg-Dube Syndrome** *(FLCN)*

CFTR-related Disorders:

- ☐ Cystic Fibrosis Targeted Mutation Panel
- ☐ Cystic Fibrosis *CFTR* gene sequence analysis
- ☐ Cystic Fibrosis *CFTR* gene deletion & duplication analysis

☐ **Congential Central Hypoventilation Syndrome** *(PHOX2B)*
☐ **Costello Syndrome** *(HRAS)*

Craniosynostosis Syndromes:

- ☐ Craniosynostosis Panel *(FGFR1, FGFR2, FGFR3, TWIST1)*
- ☐ Apert Syndrome
- ☐ Crouzon Syndrome
- ☐ Crouzon Syndrome with Acanthosis Nigricans
- ☐ Muenke Syndrome
- ☐ Non-Syndromic Craniosynostosis
- ☐ Pfeiffer Syndrome
- ☐ Saethre-Chotzen Syndrome

☐ **Denys-Drash Syndrome** *(WT1)*
☐ **DNA Extraction**

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MOLECULAR GENETICS REQUISITION *(page 2)*

Duchenne Muscular Dystrophy:

- ☐ DMD Deletion/duplication analysis
- ☐ DMD Sequencing

☐ **Early On-Set Familial Alzheimer Disease Panel** *(APP, PSEN1, PSEN2)*

☐ **Familial Adenomatous Polyposis (FAP) -related disorder** *(APC)*

☐ **Familial Mediterranean Fever** *(MEFV)*

☐ **Fragile X DNA Analysis**

Hearing Loss:

- ☐ Hearing Loss Panel (Connexin 26 and 30, *mt-RNR-1* and *mt-TS1*)
- ☐ Connexin 26 and 30 Targeted Mutation Analysis
- ☐ Connexin 26 Targeted Mutation Analysis
- ☐ Connexin 26 - *GJB2* Full Gene Sequence Analysis
- ☐ Connexin 30 Targeted Mutation Analysis
- ☐ Mitochondrial DNA Hearing Loss Panel *(mt-RNR1, mtTS1)*

☐ **HFE-related Hemochromatosis**

☐ **Hereditary Hemorrhagic Telangiectasia (***ACVRL1, ENG, GDF2, RASA1, SMAD4***)**

☐ **Hereditary Mismatch Repair Deficiency Syndrome** *(MLH1, MSH2, PMS2, MSH6)*

☐ **Huntington Disease** *(HTT)*

☐ **JAK2 V617F Mutation Analysis**

☐ **Legius/NF1-like Syndrome** *(SPRED1)*

☐ **Li-Fraumeni Syndrome** *(TP53)*

☐ **Marfan Syndrome** *(FBN1)*

☐ **MECP2 Sequencing (Rett Syndrome)**

☐ **Multiple Endocrine Neoplasia, Type 1** *(MEN1)*

☐ **Multiple Endocrine Neoplasia, Types 2A & 2B** *(RET)*

☐ **Myotonic Dystrophy DNA Analysis**

☐ **Neurofibromatosis, Type 1** *(NF1)*

☐ **Neurofibromatosis, Type 2** *(NF2)*

☐ **Nevoid Basal Cell Carcinoma Syndrome (Gorlin Syndrome)** *(PTCH1, SUFU)*

☐ **Noonan Panel** *(BRAF, CBL, HRAS, KRAS, MAP2K1, MAP2K2, NRAS, PTPN11, RAF1, R1T1, SHOC2, SOS1, SOS2)*

☐ **Osteogenesis Imperfecta** *(COLIA1, COLIA2)*

☐ **Pallister-Hall Syndrome** *(GL13)*

☐ **Pancreatitis Panel** *(CASR, CFTR, CPA1, CTRC, PRSS1, SPINK1)*

☐ **Paternity/Identity Testing**

☐ **Peutz-Jeghers Syndrome** *(STK11)*

☐ **Prader-Willi Methylation Analysis**

☐ **Prader-Willi Methylation Analysis with reflex to FISH for 15q11 microdeletion**

☐ **PTEN-related disorder** *(PTEN)*

☐ **RASA1-related disorder** *(RASA1)*

☐ **Rasopathy Panel** *(BRAF, CBL, HRAS, KRAS, MAP2K1, MAP2K2, NF1, NRAS, PTPN11, RAF1, RASA1, R1T1, SHOC2, SOS1, SOS2, SPRED1)*

☐ **Retinoblastoma** *(RB1)* (peripheral blood only)

☐ **Schwannomatosis** *(SMARCB1)*

☐ **Simpson-Golabi-Behmel Syndrome** *(GPC3)*

Skeletal Dysplasias:

- ☐ Achondroplasia
- ☐ Hypochondroplasia
- ☐ Achondroplasia/Hypochondroplasia Panel
- ☐ Thanatrophoric Dysplasia (types I and II)

☐ **Sotos Syndrome** *(NSD1)*

Spinal Muscular Atrophy (SMA):

- ☐ Carrier Testing (*SMNI* with intron 7 c.*3+80T>G SNP)
- ☐ Diagnostic Testing *(SMN1 & SMN2* with intron 7 c.*3+80T>G SNP*)*

☐ **Stickler Syndrome Panel** *(COL11A1, COL11A2, COL2A1, COL9A1, COL9A2, COL9A3)*

Thrombophilia/Obstetric Complication Panel:

- ☐ Thrombophilia Panel (Factor II, Factor V, and MTHFR)
- ☐ Prothrombin (Factor II) Mutation Analysis
- ☐ Factor V Leiden Mutation Analysis
- ☐ MTHFR Mutation Analysis (MTHFR A1298C)
- ☐ MTHFR Mutation Analysis (MTHFR C677T)

☐ **TPMT Mutation Analysis**

☐ **Tuberous Sclerosis** *(TSC1 & TSC2)*

☐ **Twin Zygosity**

☐ **Von Hippel-Lindau** *(VHL)*

☐ **Wilms Tumor** *(WT1)*

☐ **Other (please specify):**

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