December 16, 2019

Douglas Norman, MD, D(ABHI)
Carley Shaut, PhD, D(ABHI)
Laboratory of Immunogenetics & Transplantation
Oregon Health & Science University
2611 SW 3rd Ave. Suite 360
Portland OR 97201-3098

RE: ASHI Accreditation No. 04-4-OR-02-1
CLIA No. 38D0656825
UNOS No. 06ORUO

Dear Dr. Norman and Dr. Shaut:

I have received and reviewed all of the materials sent to me by Daniel Ramon, PhD, D(ABHI), HCLD, your ASHI Commissioner. I am in agreement with the recommendations of your Commissioner that your laboratory has successfully demonstrated compliance with all mandatory ASHI Standards.

On the basis of the recommendations from your Commissioner, the Laboratory of Immunogenetics & Transplantation of the Oregon Health & Science University, 04-4-OR-02-1, under the direction of Douglas Norman MD, D(ABHI), and Carley Shaut, PhD, D(ABHI) is granted accreditation for the following

**Areas of Accreditation:**

- HSC/BM Transplantation: Related Donor
- HSC/BM Transplantation: Unrelated Donor
- Solid Organ Transplantation: Deceased Donor
- Solid Organ Transplantation: Live Donor
- Histocompatibility Testing For Other Clinical Purposes

**Categories & Systems:**

<table>
<thead>
<tr>
<th>HLA Typing Class I: Molecular</th>
<th>HLA Antibody Detection: Solid phase</th>
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<tbody>
<tr>
<td>HLA Typing Class II: Molecular</td>
<td>HLA Antibody Identification: Solid phase</td>
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<tr>
<td>ABO/Rh</td>
<td>Crossmatching: Complement Dependent Cytotoxicity</td>
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<td>Crossmatching: Flow Cytometry</td>
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Accreditation for the above areas of accreditation, categories, and systems will be valid until 12/31/2020, pending successful completion of an onsite inspection cycle next year.

Your laboratory is accredited by ASHI for the following CMS subspecialties: Histocompatibility Testing and ABO/Rh Testing.
You and your laboratory staff are to be commended for maintaining ASHI's high standards for laboratory performance and patient service.

Should you have any questions about the inspection or accreditation process, please contact your Commissioner or the ASHI Accreditation Office at (651) 202-3637.

Sincerely,

[Signature]

Cal Stone, BS, CHS
Co-Chair, ASHI Accreditation Review Board

cc: Daniel Ramon, PhD, D(ABHI),HCLD, Commissioner
    John Gerlach, PhD, D(ABHI), Program Director
    Paul Warner, PhD, D(ABHI), Co-Chair
    David Kiger, CHS, Co-Chair
    Melissa Weeks, Accreditation Manager